



Mission Critical Server Solutions

• NVMe • SAS 3.0 • 100G/40G/25G Ethernet • 100G IB/OPA • BBP® • SRSD

New Generation X11 & X10 Solutions



New!

2U BigTwin™

4 Hot-Swappable Nodes in 2U
24 DIMMs, 2 PCI-E 3.0 x16 slots,
6 NVMe drives, and SIOM support per Node

2U
40 Dual-Port
NVMe

2U
20 Dual-Port
NVMe

Dual-Port NVMe SBB - 2 Redundant Nodes

Intel® Xeon® Processor Product Families and more...

4U 8 Pascal GPU (Tesla P100) Server
8x 300W Pascal GPU cards in 4U
80GB/s NVLink GPU-GPU Architecture

New!



SYS-4028GR-TXRT

- Non-blocking architecture. No GPU preheating with Independent GPU and CPU thermal zones
- 80GB/s NVLink GPU-GPU interconnect
- RDMA via EDR / Omni-Path ensures lowest latency
- Performance: up to 170 TFLOPS with 8 Pascal GPUs
- 4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8 slots
- 4x 2000W (2+2) Redundant **Titanium Level** power
- 16 hot-swap 2.5" drive bays
- Up to 2TB ECC DDR4-2400MHz in 16 DIMMs
- Dual Intel® Xeon® processor E5-2600 v4/v3 product families supported

60-Bay Top-Load Server
60x 3.5" Hot-swap SAS3/SATA3 drive bays
+ 2 rear 2.5" bays + 6 NVMe (optional)

New!



SSG-6048R-E1CR60N/L

- 60x 3.5" hot-swap SAS3/SATA3 drive bays, 2x 2.5" hot-swap drive bays (rear), 6x optional NVMe bays
- SAS3 via LSI 3008 (IT mode) or 3108 w/ HW RAID
- DP Xeon® 24 DIMMs, 2x 10G/40G/100G/25G
- 2000W Redundant **Titanium Level** (96%+) power

3U/6U MicroBlade
14 Nodes in 3U MicroBlade

New!



3U MicroBlade
(MBE-314E-420)

6U MicroBlade
(MBE-620E-820)

Industry's Densest Intel® Xeon® UP and DP Servers:

- Features Supermicro high-volume, low-power, high-density VLP memory
- Redundant 10/2.5/1GbE SDN switches with 40/10Gbps uplinks
- Redundant CMMs with management software
- Intel® Xeon® processor E5-2600 v4 & Intel® Xeon® processor E3-1200 v5 product families supported



Intel® Xeon® Processor E5-2600 v4 Product Family Supported

Hot-swap NVMe (U.2/M.2)

New! Highest Performance • Up to 12x the IOPS over SAS 3.0 (12Gbps) SSDs

• >7x Lower Latency than SAS 3.0 (12Gbps) SSDs • Broadest Selection of Systems Available

All Flash Solutions

New!



Dual-Port 20 NVMe
SSG-2028R-DN2R20L

New!



Dual-Port 40 NVMe
SSG-2028R-DN2R40L

2U
24 NVMe



• 2U Ultra: SYS-2028U-TN24R4T+



- 2U Ultra: SYS-6028U-TNR(4T/T)+ (shown)
SYS-2028U-TNR(4T/T)+
SYS-6028U-E1CNR(4)T+
SYS-2028U-E1CNR(4)T+
• DCO: SYS-6028R-TDWNR
SYS-6027R-CDNRT+
• TwinPro™: SYS-2028TP-DNC(T)(F)R
SYS-6028TP-DNC(T)(F)R
• EX DP: SYS-2028UT-B(T)(C1)NRT
• FatTwin™ SYS-F628R3-RTB(PT)N+
SYS-F618R2-RT(PT)N+
• SuperBlade™ SBI-7428R-(C/T)3N
SBI-7428R-C6N



48 NVMe
SSG-2028R-NR48N

New!



BigTwin™ - 24 2.5" NVMe
SYS-2028BT-HNR+

1U
10 NVMe



- Ultra: SYS-1028U-TN10RT+(shown)
SYS-1028U-TNR(4T/T/
TP)+ • WIO: SYS-1028R-
WTNR(T)
SYS-1027R-WC1NR(T)

1U Ultra 2.5"
3TB DDR4
2 NVMe/SAS3 Hybrid



SYS-1028U-TNR(4T/T/TP)+

2U Ultra 2.5", 3TB DDR4,
Titanium Level Power,
4 NVMe/SAS3 Hybrid



SYS-2028U-TNR(4)T+

2U Ultra 3.5", 3TB DDR4,
Titanium Level Power,
4 NVMe/SAS3 Hybrid



SYS-6028U-TNR(4)T+

2U Data Center Optimized,
16 DIMMs, up to 4 AOCs,
4 NVMe



SYS-6028R-TDWNR

1U DCO, SAS 3.0
2 NVMe (optional)



SYS-1028R-MCT(R)

1U WIO,
NVMe Optimized



SYS-1028R-WTNR(T)

TwinPro™ 2U 2-Node
Up to 4x NVMe +
8x SAS 3.0 2.5" drives (per node)



SYS-2028TP-DNC(T)(F)R

TwinPro™ 2U 2-Node
Up to 4x NVMe +
2x SAS 3.0 3.5" drives (per node)



SYS-6028TP-DNC(T)(F)R

FatTwin™ 4U 4-Node
SATA, Rear I/O
2 NVMe per Node



SYS-F628R3-RTB(PT)N+

FatTwin 8-Node
SATA, Rear I/O
2 NVMe per Node



SYS-F618R2-RT(PT)N+

Large Bandwidth and Latency Improvements with True Hot-Swap Capability



The primary benefits of Supermicro SuperServer® solutions with **NVMe** support include improved performance (throughput and latency), hot-swap capability, ability to support many true hot-swap **NVMe** drives per server, cost-effectiveness compared to add-on card based solutions, and availability of many cost-optimized models from which to choose.

Supermicro is the first to market with true hot-swap support for **NVMe** SSD drives. This feature allows easy addition of storage capacity through the addition of SSDs, the replacement of existing SSDs with higher capacity units, or replacement of failed drives, while the server system is in operation. Additionally, the hot-swap feature protects against surprise removals, random device failures, or operator errors. Software hardening from Supermicro on its **NVMe** server product line provides an excellent protection against these all too-common data center issues.



NVMe Now



- **Higher Performance**
Up to 12x higher IOPS and 7x lower latency than SAS3 SSDs
- **Lower Power**
Up to 15x less wattage per IOPS than SAS3 SSDs
- **Reduced Cost**
No SAS HBA/AOC required, less CAPEX and power consumption
- **Efficient & Scalable**
Streamlined protocol & command set, fewer clock cycles per I/O
- **Optimized for Next Generation NVM**
New storage stack with lower latency and less overhead

Supermicro Has the Best NVMe Solutions

Ultra

- 1U Ultra (All-Flash NVMe Supported):
2/4/10 Hot-swap U.2 NVMe Drives
- 2U Ultra (All-Flash NVMe Supported):
4/24 Hot-swap U.2 NVMe Drives

DCO/WIO

- 1U DCO / WIO: 2 Hot-swap U.2 NVMe Drives
- 2U DCO / WIO: 4 Hot-swap U.2 NVMe Drives

Twin 2U Architecture

- 2U TwinPro™: 4 Hot-swap U.2 NVMe Drives per Node
- 2U BigTwin® (All-Flash NVMe Supported):
6 Hot-swap U.2 NVMe Drives per Node

FatTwin™

- 4U FatTwin™: 2 Hot-swap U.2 NVMe Drives per Node

MicroCloud

- 3U MicroCloud: 4 M.2 or 2 Hot-swap U.2 NVMe Drives per Node

MicroBlade

- 3U/6U MicroBlade: 2 M.2 NVMe Drives per Node

SuperBlade®

- 7U SuperBlade®: 3 Hot-swap U.2 NVMe Drives per Node

8-Way SuperServer®

- 7U 8-Way: 16 Hot-swap U.2 NVMe Drives

SuperStorage

- 2U SuperStorage (All-Flash NVMe Supported):
24/48 Hot-swap U.2 NVMe Drives
- 4U SuperStorage: 6 Hot-swap U.2 NVMe Drives

Storage Bridge Bay

- 2U Super Bridge Bay (All-Flash NVMe Supported):
20/40 Hot-swap Dual-Port U.2 NVMe Drives

Massively Improved Throughput and IOPS with Lowered Latency, Power Consumption and CAPEX

NVMe Express® (NVMe™) is an optimized, high-performance and scalable host controller interface architected from the ground up to exploit the full potential of non-volatile memory (NVM) technologies, more specifically PCI Express®-based solid-state storage. NVMe specifies hardware and software protocols that are designed to provide efficient access to storage subsystems built with non-volatile memory, from today's NAND flash technology to future higher performing, persistent memory technologies, focusing on bandwidth, IOPS and latency.

Supermicro offers the widest variety of server and storage systems with NVMe support, and is the first-to-market with All-Flash and hot-swap capability for U.2 NVMe drives. This feature allows easy addition of storage capacity through front access 2.5" drive bays, the replacement of existing SSDs with higher capacity units, or replacement of failed drives. Additionally, the hot-swap feature protects against surprise removals, random device failures, or operator errors. Software hardening from Supermicro on its NVMe server product line provides an excellent protection against these all too-common data center issues.

https://supermicro.com/white_paper/white_paper_NVMe2.pdf





Intel® Xeon® Processor E5-2600 v4 Product Family Supported

SuperStorage

New! Highest Performance and Storage Density

Supports up to: • 44 Cores per Server • 145W TDP CPUs • 3TB DDR4-2400MHz in 24 DIMMs

• SAS 3.0 • Quad 10GbE LAN • Redundant **Titanium Level** Power Supplies



SSG-2028R-E1CR24N
SSG-2028R-E1CR24L
SSG-2028R-E1CR24H
24x 2.5" SAS3/SATA3
hot-swap drive bays
920W **Platinum Level**
Redundant power supplies



SSG-6028R-E1CR16T
SSG-6028R-E1CR12N
SSG-6028R-E1CR12L
SSG-6028R-E1CR12H
SSG-5028R-E1CR12L (UP)
Up to 16x/12x 3.5" SAS3/SATA3
hot-swap drive bays
Up to 1000W **Titanium Level** Redundant
power supplies



Cold Storage Server Solutions
SSG-5018D2-AR12L
SSG-5018D4-AR12L
SSG-5018D8-AR12L
400W redundant power supplies,
option 4x 2.5" internal HDD drives



48x 2.5" SAS3/SATA3
hot-swap drive bays
(44x 2.5" + 4x NVMe)
1600W **Titanium Level**
Redundant power supplies
SSG-2028R-E1CR48N
SSG-2028R-E1CR48L



New!
**Dual-Port 40 NVMe,
SBB 2 Redundant Nodes**
SSG-2028R-DN2R40L



New!
**Dual-Port 20 NVMe,
SBB 2 Redundant Nodes**
SSG-2028R-DN2R20L



90x 3.5" SAS3 Top-Loading
Hot-Swap Drive Bays in 4U
SSG-6048R-E1CR90L
CSE-946ED-R2KJBOD



60x 3.5" SAS3/SATA3 Hot-Swap Drive Bays in 4U
DP Intel® Xeon® Processor, Supports up to 160W.
24 DIMM, LCD display, Redundant power supplies
SSG-6048R-E1CR60N/L CSE-946E1C/E2C-R2KJBOD

High Performance Storage Servers The Foundation of a Flexible and Efficient Storage Deployment



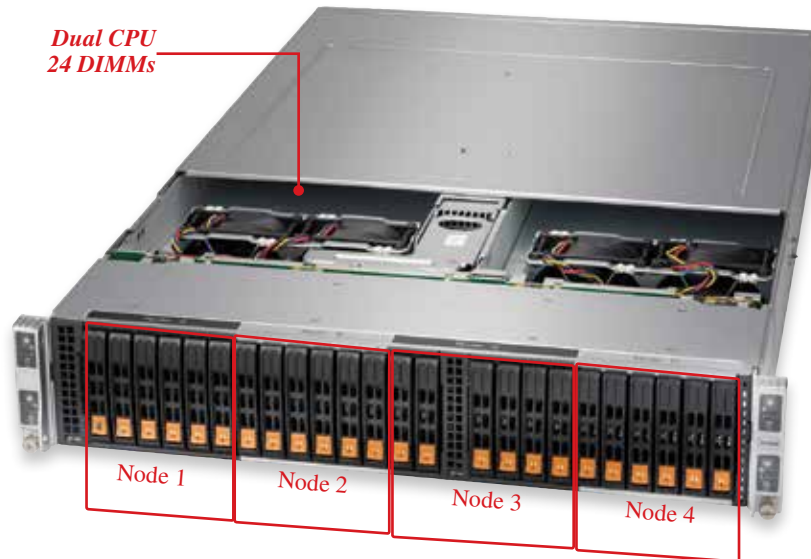
Supermicro's SuperStorage® solutions include everything needed for a rock solid storage foundation. Standard features, including unmatched computing power with the latest Intel® Xeon® processor E5-2600 v4/v3 product families of dual socket processors. Individual models are designed to meet the demands of the toughest storage environments, from low-latency SSD applications to the massive capacity needed for large files used in media and entertainment and Big Data applications. SuperStorage supports both scale-up and scale-out deployment strategies allowing CPU and storage resources scale to meet diverse application requirements. SuperStorage Systems can be expanded using JBOD for improving economy as you scale. Enterprise customers in need of highest performance will appreciate Supermicro SAS 3.0 (12Gbps) support which provides low-latency and maximum data bandwidth. SuperStorage offers a no compromise storage platform with flexible market entry points from 2U, 3U and 4U form factors using 2.5" and 3.5" HDDs.

Applications include File, Block and Object Storage, CPU Intensive Storage, Virtual Storage, Single Instance Storage & Data Deduplication, Data Replication & Business Continuity, and Virtual Tape.



BigTwin™

- Supports up to: - 4 hot swappable nodes in 2U - 24 DIMMs per node - 24x NVMe Support (-HNR+)
- 1 SIOM card support - 2 low-profile PCI-E x16 slots per node - Redundant 2200W Titanium Level (96%) Power



4 DP Nodes in 2U, 24x 2.5" NVMe/SAS3/SATA3 drives

- SYS-2028BT-HTR+ (SATA3)
- SYS-2028BT-HNR+ (All Flash)

SIOM

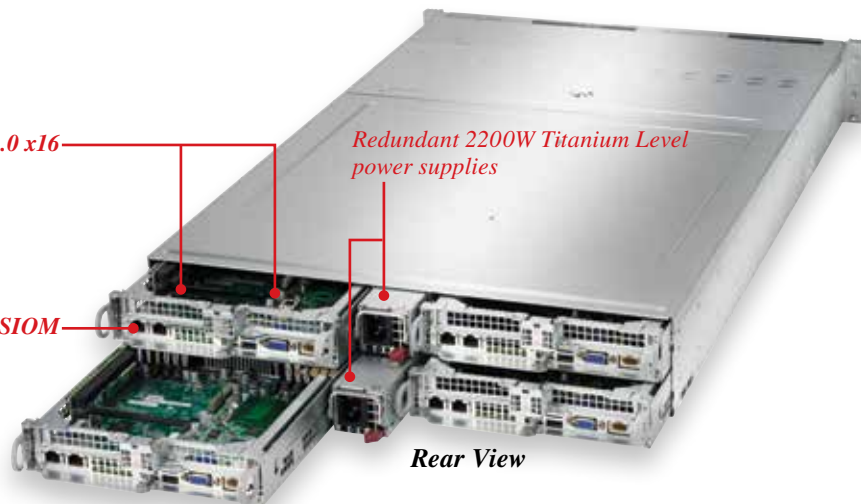


X10DRT-B+

2 PCI-E 3.0 x16

Redundant 2200W Titanium Level power supplies

SIOM



Rear View

Supermicro BigTwin™ Solutions



The BigTwin™ is the fourth generation of Supermicro's breakthrough Twin architecture that provides massively improved performance-per-watt, per-dollar, and per-square-foot. The BigTwin™ is a 2U rackmount server available in either two or four node models. Each node supports all of the following: 24 DIMM of ECC DDR4-2400MHz for up to 3TB of memory; flexible networking with SIOM add-on cards with dual/quad 1GbE, dual/quad 10GbE/10G SFP+, dual 25G, and FDR InfiniBand options; 6 hot-swap 2.5" NVMe / SAS3 / SATA3 drives; 2 PCI-E 3.0 x16 slots; 1 SATA DOM; high-efficiency, high-density power stick technology; and DP Intel® Xeon® processor E5-2600 v4/v3 product families up to 165W and 35°C ambient temperature. Sold as a complete system for highest product quality, delivery, and performance, the BigTwin™ is supported by Supermicro IPMI software and Global Services, and is optimized for data center, cloud, HPC and enterprise environments.

Due to the complexity of integration, this product is sold as completely assembled systems only (per node with minimum 2 CPU, 2 memory, 1HDD/NVMe and 1 NIC or SIOM card).



MicroBlade™

- Support up to: 56 Intel® Xeon® processor UP or 28 DP server nodes - M.2 NVMe - SAS3
- Redundant Titanium Level digital power supplies
- Redundant 10/2.5/1Gbps SDN switches



3U MicroBlade



6U MicroBlade



MicroBlade Servers

10Gbps



MBI-6128R-T2 MBI-6128R-T2X

Intel® Xeon® Processor E5-2600 v4/v3

New! **HD Graphics** **New!**
NVMe
10Gbps



MBI-6219G-T8HX/T7LX MBI-6119G-T8HX/T7LX

Intel® Xeon® Processor E3-1500 v5 (1585/1578L)

New! **10Gbps** **New!**



MBI-6218G-T81X/T41X MBI-6118G-T81X/T41X


Intel® Xeon® processor D-1500 (1581/1541)

New! **SAS3** **New!** **New!** **New!**




MBI-6119G-C2 MBI-6119G-C4 MBI-6119G-T4 MBI-6219G-T

Intel® Xeon® Processor E3-1200 v5



MBI-6118D-T2/T2H MBI-6118D-T4/T4H

Intel® Xeon® Processor E3-1200 v4/v3



MBI-6418A-T7H MBI-6418A-T5H

Intel® Atom™ Processor (C2750/C2550)



Intel® Xeon® Processor E5-2600 v4 Product Family Supported

Pascal/GPU Coprocessor

4/6/8 GPU/Intel® Xeon Phi™ coprocessor in 1U/2U/4U

Supports up to: • 44 Cores per Server • 160W TDP CPUs • 3TB DDR4-2400MHz in 24 DIMMs

• 10GBase-T • Redundant **Titanium Level (96%)** Power Supplies

4x

Pascal GPU Cards in 1U



SYS-1028GQ-TXR(T)

8x

Pascal GPU Cards in 4U



SYS-4028GR-TXR(T)

10x

GPU Cards in 4U



SYS-4028GR-TR(T)2

New!
1U 4 Pascal GPU

1U 4 GPU/
Intel® Xeon Phi™
Coprocessor

1U UP 2 GPU/
Intel® Xeon Phi™
Coprocessor

1U 3 GPU/
Intel® Xeon Phi™
Coprocessor

2U Twin™
Intel® Xeon Phi™
Coprocessor

2U 4/6 GPU/
Intel® Xeon Phi™
Coprocessor

4U 8 Pascal GPU

4U 10/8 GPU/
Intel® Xeon Phi™
Coprocessor

Tower/4U 4 GPU/
Intel® Xeon Phi™
Coprocessor
Titanium Power



SYS-1028GQ-TXR(T)



SYS-1028GQ-TR(T)



SYS-1018GR-T (shown)
SYS-5018GR-T



SYS-1028GR-TR
SYS-1028GR-TRT



SYS-5028TK-HTR



SYS-2028GR-TR(T)
SYS-2028GR-TRH(T)



SYS-4028GR-TXRT



SYS-4028GR-TR(T)2
SYS-4028GR-TR(T)



SYS-7048GR-TR

Maximum Acceleration for Highest-Performance Workloads

The Supermicro GPU/Intel® Xeon Phi™ coprocessor SuperServer® systems support up to: 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots, 4/6/8 GPU/Intel® Xeon Phi™ coprocessor in 1U/2U/4U, 10 SATA 3.0 (6Gbps) ports with Intel® C612 controller, LAN options up to 2x 10GBase-T or 2 Gigabit Ethernet ports, redundant **Titanium Level (96%)** power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor E5-2600 v4/v3 product families up to 44 cores per node and 160W TDP.

Generating massively parallel processing power and unrivaled networking flexibility with PCI-E 3.0 expansion slots and 10GBase-T LAN, the Supermicro GPU/Intel® Xeon Phi™ coprocessor SuperServer® systems deliver the maximum processing acceleration for the most compute-intensive workloads in the smallest physical dimensions. With support for the very latest DP processors, these powerful Supermicro GPU/Intel® Xeon Phi™ coprocessor SuperServers help customers to create the most optimized solutions for their supercomputing needs. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro's powerful GPU/Intel® Xeon Phi™ coprocessor SuperServer® systems are optimized for HPC, Machine Learning, Oil and Gas simulation, Computational Finance, Science and Engineering, and Media/Entertainment.



Supermicro Advantage

- **PERFORMANCE:** 4x PASCAL GPUs in 1U
- **GPU-GPU:** 80GB/s High Bandwidth GPU Interconnect
- **NODE-NODE:** Direct Intermode GPU Interconnect
- **EFFICIENCY:** Redundant **Titanium Level 96%** Efficient Power Supplies
- **DESIGN:** No GPU preheating



Knights Landing/Omni-Path

Popular Twin Architecture and Developer Workstation Models
Omni-Path Switch Fabric Support

HPC Solutions

2U/4 Node and Tower Solutions that support, per Node up to:

- Intel® Xeon Phi™ Coprocessor product family
- 384GB ECC DDR4-2400MHz in 6 DIMM slots
- 2 PCI-E 3.0 x16 LP slots
- 2 GbE with Intel® i350
- 3 hot-swap 3.5" SATA3 drive bays per node
- 2 SuperDOM connectors, 4 USB 3.0
- Support for 100G Omni-Path fabric (CPU integrated or PCI-E add-on card)
- Redundant 2000W **Titanium Level** power supplies per system
- For research and commercial applications in Science, Visualization & Analytics



2U/4 Node
SYS-5028TK-HTR



Tower
SYS-5038K-i

Supermicro Omni-Path Portfolio:



- Edge-Switch SSH-C48Q
- 48x 100 Gbps ports (QSFP28)
 - 9.6Tbps fabric bandwidth
 - OOB via optional module (AOM-QA338152G)



- Single Port Omni-Path PCI-E Card AOC-SHFi-iIC
- Single QSFP28 connector
 - 11.7W copper; 14.9W optical
 - 8K and 10K MTUs

Knights Landing/Omni-Path Server Solutions

Supermicro's SuperServer 5028TK-HTR is a 2U 4-Node server supporting the new Intel® Xeon Phi™ coprocessor with integrated or external Intel® OPA fabric options, as well as an associated tower development workstation SYS-5038K-i. In addition, the company's new 1U 48-port top-of-rack network switch with 100Gbps Intel® OPA provides a unique HPC cluster solution offering excellent bandwidth, latency and message rate that is highly scalable and easily serviceable.

Supermicro's Intel® Xeon Phi™ processor-based computing platforms, like those based on Intel Xeon processors, utilize common instruction sets and support multiple programming models, helping to simplify parallel computing application management in the hybrid environment and take advantage of the powerful processing resources of Supermicro's HPC platforms. Engineering, scientific and research fields can dramatically accelerate application performance with minimal investment in development with Supermicro's Intel Xeon Phi processor-based supercomputing solutions. The 2U SYS-5028TK-HTR is a highly optimized Intel Xeon Phi processor system for the HPC market, supporting four Intel Xeon Phi processors. The SYS-5038K-i tower workstation is intended for designers wishing to develop applications for this exciting new processor and networking option.





Super I/O Module (SIOM)

Most Flexible, Cost-optimized Server I/O



AOC-MGP-i2



AOC-MGP-i4



AOC-MTGN-i2S



AOC-MTG-i4S



AOC-MTG-i2T



AOC-MTG-i4T
(SSG & 8-Way)



2U TwinPro² (3.5")
12x hot-swap 3.5" drive bays
SYS-6028TP-H-SIOM family



2U TwinPro² (2.5")
24x hot-swap 2.5" drive bays
SYS-2028TP-H-SIOM family



BigTwinTM
4 half-width DP nodes in 2U
SYS-2028BT-HNR+



Simply Double All-Flash
48x NVMe drive bays in 2U
SSG-2028R-NR48N



Simply Double SAS3
48x SAS3 drive bays in 2U
SSG-2028R-E1CR48N/L



Simply Double SAS3
24x SAS3 drive bays in 2U
SSG-2028R-E1CR24N/L



60-bay 4U SuperStorage
60x 3.5" hot-swap SAS3/SATA3 drive bays
SSG-6048R-E1CR60N/L



90-bay 4U SuperStorage
90x 3.5" hot-swap SAS3 drive bays
SSG-6048R-E1CR90L



7U 8-Way
SYS-7088B-TR4FT

Super I/O Module (SIOM) Solutions

The Supermicro® Super I/O Module (SIOM) delivers up to 50% of I/O cost savings and freedom to select networking options from 1Gb/s to 100Gb/s through a Supermicro optimized form factor that is easy to scale, service and manage across a broad range of Supermicro server and storage systems. The SIOM also enables a higher degree of system integration and increased capacity by saving PCI-E slots that are traditionally reserved for add on cards.





Intel® Xeon® Processor E3-1200 v5 Product Family Supported

X11 UP Servers

New! • Double the Memory (up to 64GB ECC DDR4-2133 MHz)

- All Gen 3.0 Expansion, Storage, and I/O (PCI-E 3.0, SATA 3.0, USB 3.0) • Quick Release Rails
- Front USB 3.0 Ports • SAS 3.0 Ready • 7-Year Lifespan Models

*Entry Appliance
Less than 12" Depth
SATA DOM Support*

New!



SYS-5019S-L

*Entry Appliance
M.2 Mini-PCI-E Connector
Less than 15" Depth
SATA DOM Support*

New!



SYS-5019S-ML

*Flexible I/O
3 PCI-E 3.0 Slots
Redundant 500W Power Supplies
SAS 3.0 Supported
M.2 Mini-PCI-E connector*

New!



SYS-5019S-WR

*Cloud, Hosting
M.2 Mini-PCI-E Connector
Less than 20" Depth
SATA DOM Support
SAS3 Supported w/ AOC*

New!



SYS-5019S-M

*Cloud, Hosting
M.2 Mini-PCI-E Connector
Less than 20" Depth
Redundant 400W Power Supplies
SAS3 Supported w/ AOC*

New!



SYS-5019S-MR

*Network Centric
M.2 Mini-PCI-E Connector
Support Intel® VHD
SATA DOM Support, 4x GbE LAN Port
SAS3 supported w/ AOC,
Less than 20" depth*

New!



SYS-5019S-MN4

Best Power & Performance with Improved I/O



Supermicro X11 UP Servers provide substantial performance and efficiency improvements over previous server generations, including support for the latest Intel® Xeon® processor E3-1200 v5 product family that provides a 15% efficiency / performance increase; DDR4 memory implementation that delivers a 14%+ performance improvement over DDR3 memory; all PCI-E 3.0 implementation that achieves a guaranteed 8Gbps bus speed or a 60% performance enhancement over 5Gbps PCI-E 2.0; and all SATA 3.0 implementation bringing a guaranteed 6Gbps storage data rate or a 100% performance increase from the 3Gbps of SATA 2.0. In addition memory capacity is doubled from 32GB of DDR3 to 64GB of ECC DDR4 memory, a 100% increase.

Additional Supermicro advanced technologies enhancing the X11 UP server product line include SATA DOM (Disk on Module) support, Dual 10GBase-T and Quad Gigabit Ethernet LAN ports, IPMI 2.0, VHD, M.2 Mini PCI-E connector, PCI-E 3.0 x16 slots to support GPU cards, up to 3 expansion slots, Supermicro WIO (Wide I/O) flexible expansion slot capability, 7-year long-life for embedded applications, High-Efficiency power supplies with redundancy and BBP® (Battery Backup Power) options, short-depth and ultra-short depth appliance style chassis, 2.5" and 3.5" drive bays.

Supermicro X11 UP Servers are targeted for a wide variety of customer applications including Entry Appliance, Cloud Computing and Web Hosting, Network-Centric, Entry-Level Caching Appliance, Entry-Level Storage, and Flexible I/O. They are complemented by Supermicro Server Management Utilities that offer a comprehensive solution to manage and maintain Supermicro servers in an IT datacenter from a single console view; and also Supermicro Onsite Service and Support that provides flexible and customizable Service Level Agreements for remote help desk and rapid onsite support to cover Supermicro hardware solutions.



Intel® Xeon® Processor D System-On-Chip

Intel® Xeon® Processor D SoC Solutions

New! Up to • 128GB DDR4-2133MHz • PCI-E 3.0 x16 • 2x 10GbE plus 2x GbE LAN Ports
 • 16-Core SoC • 2x 3.5" or 4x 2.5" SATA3 Devices

Embedded, Compact Mini Tower



SYS-5028D-TN4T

Front I/O, Space-efficient, compact design



SYS-5018D-FN4T

Front I/O, 8 LANs (2x 10GbE SFP+)



SYS-5018D-FN8T

16-Core, 8 LANs



SYS-1018D-FRN8T

2-Core, 4 LANs



SYS-5018D-LN4T

Cloud Storage Server Solutions



COLD	COLD	WARM
SSG-5018D2-AR12L	SSG-5018D4-AR12L	SSG-5018D8-AR12L
2-Core 12x 3.5" hot-swap HDD trays, 2x 10G SFP+ LAN LSI 2116 IT mode	4-Core 12x 3.5" hot-swap HDD trays, 2x 10G SFP+ LAN LSI 2116 IT mode	8-Core 12x 3.5" hot-swap HDD trays, 2x 10G SFP+ LAN LSI 2116 IT mode

New Intel® Xeon® Processor D, High Core Count, High Performance, Low Power, SoC Solutions

Supermicro's expanded line of low power and performance oriented Embedded systems now enable new cold, warm and hot storage solutions as well as a complete range of converged infrastructure solutions optimized for data center, network and edge to cloud. With server-class reliability, availability and serviceability (RAS) features now available in ultra-dense, low-power solutions, these systems deliver balanced compute, storage and intelligent edge networks and appliances, offering the best workload optimized solutions and long life availability with the Intel® Xeon® processor D family, with up to 128GB DDR4 ECC RDIMM operating at 2133MHz, USB 3.0 I/O, six SATA3.0 storage and dual 10GbE SFP+ LAN networking ports. 12x 3.5" hot-swap HDD trays and option 4x 2.5" internal HDD drives.

Supermicro's dedication to offering the latest, most advanced technologies and developing complementing low power IoT gateway and compact server, storage, networking solutions offer the most powerful, agile, and scalable solutions to enable new embedded, IoT, and Data Center ecosystems.

Supermicro® Global SKUs

Supermicro® provides full integration, fulfillment and support services for customers in the Americas, Asia-Pacific (APAC), Europe, Middle East and Africa (EMEA) regions. Logistics and support for each region is processed through advanced operations centers in San Jose, CA (HQ), Taiwan (TW) and the Netherlands (NL). Products listed below are available in all of our branches across the globe.



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SYS-1028U-TR(4/4T/T)+	SYS-6018R-MT(R)	SYS-5019S-M	SYS-2027TR-H71RF
SYS-6018U-TR(4/4T/T/TP)+	SYS-6018R-TDW	SYS-5019S-MR	SYS-2027TR-HTRF
SYS-2028U-TR(4/4T/T/TP)+	SYS-6018R-WTR(T)	SYS-5019S-WR	SYS-2027GR-TRF
SYS-6028U-TR(4/4T/T/TP)+	SYS-6028R-TR	SYS-5015A-EHF-D525	SYS-6027R-TRF
SYS-5018D-MTF	SYS-6028R-WTR(T)	SYS-5017C-MTF	SYS-7037A-1
SYS-1028GR-TR	SYS-6028TP-HC1R/HC1TR/HC1FR	SYS-1027GR-TRF	SYS-7047GR-TRF
SYS-1028R-TDW	SYS-6028TP-HTR/HTTR/HTFR	SYS-1027R-WRF	SYS-7046GT-TRF
SYS-1028R-WTR(T)	SYS-6028TR-D72R/DTR	SYS-6016T-NT(R)F	
SYS-2028GR-TR	SYS-6028TR-HTR/HTFR	SYS-6016T-URF	FatTwin™
SYS-2028TP-DNCR	SYS-7038A-1	SYS-6017R-NTF	SYS-F618R3-FT
SYS-2028TP-DNCTR	SYS-7048A-T	SYS-6017R-TDF	SYS-F628R3-R72B+
SYS-2028TP-DNCFR	SYS-7048GR-TR	SYS-6017R-WRF	SYS-F628R3-RTB+
SYS-2028TP-DTR/DTTR/DTFR	SYS-5018-M	SSG-6027R-E1R12N	SYS-F617R3-FT
SYS-2028TP-HC1R/HC1TR/HC1FR	SYS-5018R-MR	SSG-6047R-E1R36N	SYS-F617R2-R72+
SYS-2028TP-HTR/HTTR/HTFR	SYS-5018R-WR	SYS-6026T-HTRF	
SYS-2028TR-H72R/H72FR	SYS-5019S-L	SYS-6027TR-HTRF	

Global SKUs are identified by the Global SKU logo (see above) in this document, and Global SKU part numbers are highlighted in green text throughout.

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4-Node 16 DIMMs, Front I/O: F627R2-FT+, F627R2-F72+, F627R2-F72PT+, F627R2-FPTPT+, F627R3-FT+, F627R3-F72+, F627R3-F72PT+, F627R3-FPTPT+ 154,155	
GPU FatTwin™: F647G2-F73+, F647G2-F73PT+, F647G2-FT+, F647G2-FPT+, F627G2-FT+, F627G2-FPT+, F627G2-F73+, F627G2-F73PT+, F627G3-FT+, F627G3-FPTPT+, F627G3-F73+, F627G3-F73PT+	156,158
8/4-Way MP Family	
7088B-TR4FT (8-Way), 2028U-RTR4, 8048B-TR4F, 8048B-COR4FT, 8028B-TR3F, 8028B-COR3FT, 8048B-TR3F, 8048B-COR3FT, 8048B-TR4FT, 8048B-TR4FT, 8048B-TRFT, 4048B-TRFT	159-165
MicroBlade	
MBI-6128R-T2, MBI-6128R-T2X, MBI-6219G-T7LX, MBI-6119G-T7LX, MBI-6218G-T81X/T41X, MBI-6118G-T81X/T41X, MBI-6119G-C2/C4, MBI-6119G-T4, MBI-6219G-T2, MBI-6118D-T2/T2H, MBI-6118D-T4/T4H, MBI-6418A-T7H, MBI-6418A-T5H (MBI-6418A-T7H/T5H, MBM-XEM-002, MBM-GEM-004, MBM-GEM-001/003/003S, MBM-XEM-001	166-177
MicroCloud	
New! X11 Generation MicroCloud - Intel® Xeon® Processor E3-1200 v5 product family support	
5039MS-H12TRF, 5039MS-H8TRF, 5038MD-H8TRF, 5038MD-H24TRF, 5038MR-H8TRF, 5038MA-H24TRF, 5038ML-H24TRF, 5038ML-H12TRF, 5038ML-H8TRF(-OEM), 5037MR-H8TRF	178-187
SuperWorkstation®	
New! X11 Generation Workstation - 6th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor product families support	
5039A-iL	189
X10 Generation Workstations - Intel® Xeon® Processor E5-2600 v4/v3 product families support	
New! 7038A-i, 7048A-T, 7048GR-TR	190-195
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Intel® Xeon® Processor E5-2600 v4 Product Family Supported

X10 Solutions

Supports up to 44 Cores per Server • Performance Gains up to 86% • Power Savings up to 30%

- DDR4 up to 3TB and 2400MHz • SAS 3.0 (12Gbps) • NVMe
- Quad 10GBase-T • 10G SFP+ • FDR (56Gbps) InfiniBand

Rackmount

Ultra	Storage	Datacenter Optimized
<p>All Flash Server Solutions</p> <p>Up to 24 NVMe, 1.5TB DDR4 Titanium Level Power</p>  <p>2028U-TN24RT+ / 6028U-E1CNR(4T/T)+ / 2028U-E1CNR(4T/T)+ / 1028U-TN10RT+ / 1028U-TNRT+/TNR4+/TNRTP+ / 1028U-TR4+/TRT+/TR4T+ / 6018U-TR4+/TRT+/TR4T+/TRTP+ / 2028U-TR4+/TRT+/TR4T+/TRTP+/TNR4+/TNRT+ / 6028U-TR4+/TRT+/TR4T+/TRTP+/TNR4+/TNRT+</p>	<p>Large Memory / Quad LAN / 10GbE / Up to 24 DIMMs / SAS3 / Up to 7 PCI-E Slots</p>  <p>2028R-NR48N 2028R-E1CR48N/L / 6028R-E1CR24N/L 6048R-E1CR60N/L / 6048R-E1CR90L K1048-RT / 2028R-E1CR24(N)(H)(L) 6028R-E1CR12(N)(H)(L) / 6038R-E1CR16(N)(H)(L) 6048R-E1CR24(N)(H)(L) / 2028R-E1CR36(N)(H)(L) 5028R-E1CR12L (UP) / 5048R-E1CR36L (UP)</p>	<p>Cost-Optimized / 16 DIMMs / NVMe / 10GBase-T / SAS3</p>  <p>6018R-MD(R) / 6018R-TD(TP)(R) 6018R-TD8 / 6028R-TDWNR 1028R-TDW / 6018R-TDW 1028R-MCTR</p>
Application Optimized	WIO	GPU/Intel® Xeon Phi™ coprocessor
<p>Compact / Cost-Effective / 10GBase-T / SAS3 / 7 PCI-E Slots / Feature Rich</p>  <p>1028R-MCT(R) / 6018R-MT(R) / 1028R-MCT(R) 2028R-C1R(T) / 2028R-C1R(T)4+ / 6028R-T(T) 6028R-TR(T) / 7048R-C1R(T) / 7048R-C1R(T)4+ 5018R-M(R) (UP)</p>	<p>Resource-Optimized / Feature Rich / Cost-Effective / UP WIO</p>  <p>1028R-WMR(T) / 1028R-WTNR(T) 1028R-WC1R(T) / 1028R-WTR(T) 5028R-WR (UP) / 6028R-WTR(T) 6018R-WTR(T) / 1018R-WCOR (UP)</p>	<p>Up to 8 GPU/Intel® Xeon Phi™ coprocessor Supported</p>  <p>1028GQ-TXR(T) / 5028TK-HTR 1028GQ-TR(T) / 4028GR-TR(T) 1028GR-TR(T) / 2028GR-TR(T) 2028GR-TRH(T) / 7048GR-TR 1018GR-T (UP) / 5018GR-T (UP)</p>

X10 SuperServer® Solutions

The Supermicro New Generation X10 SuperServer® systems provide the highest levels of performance, efficiency, scalability, and flexibility. They are available in a wide variety of application targeted designs including Twin, GPU/Intel® Xeon Phi™ coprocessor, Data Center Optimized, Mainstream Application Optimized, WIO, SuperWorkstation, SuperStorage, Ultra, Blade, and Embedded.

The systems offer up to: 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots, PCI-E 3.0, SAS 3.0 (12Gbps) and SATA 3.0 (6Gbps) HDD support, NVMe SSD support, ConnectX FDR (56Gbps)/QDR InfiniBand, quad 10GBase-T, 10G SFP+, quad Gigabit Ethernet, Titanium/Platinum Level power supplies, IPMI 2.0, and support for the latest Intel® Xeon® processor E5-2600 v4/v3 and Intel® Xeon® processor E5-1600 v4/v3 product families with up to 44 cores per node and 160W TDP for best performance. These Supermicro New Generation X10 SuperServer® systems offered with a wide variety of Supermicro compatible chassis in 1U, 2U, 3U/Mid-Tower, 4U/Tower, and 6U Blade form factors. They are supported by optional software based server management utilities and Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

This extensive product and service portfolio allows customers to select the optimized solutions for their Data Center, Enterprise, Cloud Computing, and HPC environments that best fit their requirements.



Supermicro Supports

Intel® Xeon® Processor E5-2600 v4

Product Family

Supermicro has tested and validated the Intel® Xeon® Processor E5-2600 v4 product family on all our X10 server, storage, and serverboard platforms. These new socket-compatible 14nm processors have the following advantages compared to the previous generation 22nm processors:

- Up to 22 cores per socket
- Up to 44 threads per socket
- Up to 55 MB first-level cache
- 128GB ECC 3DS LRDIMM or RDIMM support
- Up to DDR4-2400MHz memory speed

[https://en.wikipedia.org/wiki/Broadwell_\(microarchitecture\)](https://en.wikipedia.org/wiki/Broadwell_(microarchitecture))



New!

IU Ultra

10 NVMe, 2.5" Drives



New!

IU Ultra

10 SAS3 Drive Bays, Expander



New!

IU Ultra

10 SAS3 Drive Bays, Expander



MODEL	SuperServer® SYS-1028U-TN10RT+	SuperServer® SYS-1028U-E1CR4+	SuperServer® SYS-1028U-E1CRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 10 NVMe SSDs Support 160W CPU support 24 DIMM slots 3 PCI-E Add-on cards 1000W Titanium Level Power Supply 2 SATA DOMs Support with Embedded Power 	<ul style="list-style-type: none"> Flexible LAN options Expander Backplane 24 DIMM slots 4 PCI-E Add-on cards 10x 2.5" SAS/SATA drive bays 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> 2 port 10G SFP+ and 2 port 1GBase-T connectivity Expander Backplane 24 DIMM slots 4 PCI-E Add-on cards 10x 2.5" SAS/SATA drive bays 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x 8 (2 FH, 10.5"L, LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)
Connectivity	2 10Gbase-T Ethernet 5 USB 3.0 ports (2 Rear, 2 Front, 1 Type A) 1 Serial Port	4 Gigabit Ethernet; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	2 10G SFP+; 2 Gigabit Ethernet; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 Hot-Swappable 2.5" NVMe SSD Drive bays Support and 4 NVMe/SAS3/SATA3 Hybrid Ports (SATA3/SAS3 optional)	10 hot-swap 2.5" drive bays support via Expander	10 hot-swap 2.5" drive bays support via Expander
Peripheral Bays	N/A	N/A	N/A
Power Supply	1000W Titanium Level Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	8 Heavy Duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 707mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 707mm (17.2" x 1.7" x 27.82")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



1U Ultra
2 NVMe, 3TB DDR4

1U Ultra
3TB DDR4



MODEL	SuperServer® SYS-1028U-TNR4T+ SYS-1028U-TNRT+ SYS-1028U-TNRT+	SuperServer® SYS-1028U-TR4+ SYS-1028U-TRT+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Flexible LAN options Redundant power supplies 24 DIMM slots 4 PCI-E Add-on cards 2 NVMe/SATA3 hybrid ports Optional 8 SAS3 ports via AOC 160W CPU support Platinum Level Power Supply 2 SATADOM 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	<p>-TNR4T+: 4 10GBase-T ports; -TNRT+: 2 10Gbase-T Ethernet -TNRT+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port</p>	<p>-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port</p>
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 hot-swap 2.5" drive bays support: Default 8 SATA3 ports and 2 NVMe/SATA3 hybrid ports	10 hot-swap 2.5" drive bays support Default 10 SATA3 ports, Optional 8 SAS3 ports
Peripheral Bays	N/A	N/A
Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	5 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

**1U Ultra
3TB DDR4****1U Ultra
3TB DDR4****1U Ultra
3TB DDR4**

MODEL	SuperServer® SYS-I028U-TR4T+	SuperServer® SYS-6018U-TR4+ SYS-6018U-TRT+	SuperServer® SYS-6018U-TR4T+ SYS-6018U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER® X10DRU-i+	SUPER® X10DRU-i+	SUPER® X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	4 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 hot-swap 2.5" drive bays support Default 10 SATA3 ports, Optional 8 SAS3 ports	4 hot-swap 3.5" drive bays support	4 hot-swap 3.5" drive bays support
Peripheral Bays	N/A	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive
Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 737.1mm (17.2" x 1.7" x 29.02")	1U Rackmount 437 x 43 x 737.1mm (17.2" x 1.7" x 29.02")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
2U Ultra
24 NVMe, 2.5" Drives

New!
2U Ultra
2.5" Drives, NVMe, Expander



MODEL	SuperServer® SYS-2028U-TN24RT+	SuperServer® SYS-2028U-E1CNR4T+ SYS-2028U-E1CNR4T+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server All Flash Storage 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server Hyperconverge Storage Database Processing & Storage
Outstanding Features	<ul style="list-style-type: none"> 24-port NVMe SSD Support 26x 2.5" hot-swap drive bays 24 DIMM sockets 160W CPU support Titanium Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> 24 DIMM slots 24x 2.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level power supply 2 SATA DOM support with embedded power
Serverboard	SUPER® X10DRU-i+	SUPER® X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (2 FH, 10.5"L) 1 PCI-E 3.0 x8 (LP)	-E1CNR4T+: 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 Internal LP) -E1CNR4T+: 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)
Connectivity	2 10Gbase-T Ethernet; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-E1CNR4T+: 2 10Gbase-T ports; -E1CNR4T+: 4 10Gbase-T ports
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	26 hot-swap 2.5" drive bays support; 20 NVMe ports (12 NVMe from CPU1, 8 NVMe from CPU2) 4 NVMe/SAS3 hybrid ports (4 NVMe from CPU2, SAS3 support with optional storage controller card)	24x hot-swap 2.5" drive bays support; 4 NVMe SAS3 hybrid ports 20 SAS3 drive ports
Peripheral Bays	N/A	N/A
Power Supply	1600W Titanium Level (96%+)Power Supply	Redundant 1000W Titanium Level (96%+)Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
2U Ultra
3.5" Drives, NVMe, Expander



2U Ultra
2.5" Drives, NVMe,
Titanium Level Power



2U Ultra
3.5" Drives, NVMe,
Titanium Level Power



MODEL	SuperServer® SYS-6028U-E1CNRT+ SYS-6028U-E1CNR4T+	SuperServer® SYS-2028U-TNRT+ SYS-2028U-TNR4T+	SuperServer® SYS-6028U-TNRT+ SYS-6028U-TNR4T+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 24 DIMM slots 12x 3.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level power supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> 24 DIMM slots 24x 2.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 12x 3.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER® X10DRU-i+	SUPER® X10DRU-i+	SUPER® X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	<p>-E1CNRT+: 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 LP, 1 Internal LP)</p> <p>-E1CNR4T+: 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)</p>	<p>-TNRT+: 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 LP, 1 Internal LP)</p> <p>-TNR4T+: 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)</p>	<p>TNRT+: 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 LP, 1 Internal LP)</p> <p>TNR4T+: 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)</p>
Onboard Storage Controller	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	<p>-E1CNRT+: 2 10Gbase-T ports;</p> <p>-E1CNR4T+: 4 10Gbase-T ports</p>	<p>-TNRT+: 2 10Gbase-T ports;</p> <p>-TNR4T+: 4 10Gbase-T ports;</p> <p>5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A);</p> <p>1 Serial Port</p>	<p>-TNRT+: 2 10Gbase-T Ethernet</p> <p>-TNR4T+: 4 10Gbase-T Ethernet</p> <p>5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A);</p> <p>1 Serial Port</p>
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12x hot-swap 3.5" drive bays support; 4 NVMe SAS3 hybrid ports 8 SAS3 drive ports	24 hot-swap 2.5" drive support; 8 SATA3 + 4 NVMe; Optional 24 SAS3 drive support via AOCs	12 hot-swap 3.5" drive bays support; 8 SATA3 + 4 NVMe; Optional 12 SAS3 drive support via AOCs
Peripheral Bays	N/A	N/A	N/A
Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U Ultra
3TB DDR4, Titanium Level Power



2U Ultra
3TB DDR4, Titanium Level Power



MODEL	SuperServer® SYS-2028U-TR4+ SYS-2028U-TRT+ SYS-2028U-TR4T+ SYS-2028U-TRTP+	SuperServer® SYS-6028U-TR4+ SYS-6028U-TRT+ SYS-6028U-TR4T+ SYS-6028U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 8 PCI-E Add-on cards 24x 2.5" SAS3 hot-swap drive bays supported 160W CPU support 1000W Titanium Level (96%+) Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 8 PCI-E Add-on cards 24x 2.5" SAS3 hot-swap drive bays supported 160W CPU support 1000W Titanium Level (96%+) Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 3.0 x 16 (FH, 10.5"L); -TR4+/TRT+/TRTP+: 7 PCI-E 3.0 x 8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TR4T+: 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)	1 PCI-E 3.0 x 16 (FH, 10.5"L); -TR4+/TRT+/TRTP+: 7 PCI-E 3.0 x 8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TR4T+: 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; -TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; -TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 2.5" drive bays support; Default 10 SATA3 ports, Optional 24 SAS3 ports via AOCs	12 hot-swap 3.5" drive bays support; Default 10 SATA3 ports, Optional 12 SAS3 ports via AOCs
Peripheral Bays	N/A	N/A
Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
IU 4 Pascal GPU

New!
IU 4-GPU/Intel® Xeon Phi™
coprocessor

**IU 3-GPU/Intel® Xeon Phi™
coprocessor**



MODEL	SuperServer® SYS-1028GQ-TXR SYS-1028GQ-TXRT	SuperServer® SYS-1028GQ-TR SYS-1028GQ-TRT	SuperServer® SYS-1028GR-TR SYS-1028GR-TRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Artificial Intelligence Big Data Analytics High-performance computing Research lab/National Lab Astrophysics Business Intelligence 	<ul style="list-style-type: none"> HPC cluster computer nodes 2D/3D and CAD Applications High-performance computing Oil & Gas Cloud and Virtualization needs Astrophysics 	<ul style="list-style-type: none"> 2D/3D and CAD Applications 3D Rendering Astrophysics Chemistry Cloud and Virtualization needs Cloud Computing Financial Analysis High-performance computing Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> Supports up to 4 Pascal GPUs with 80GB/s NVLink Optimized for GPUDirect RDMA 145W CPU support 16 DIMM support 2000W Redundant Titanium Level High Efficiency (96%) Power Supplies 2x 2.5" Hot-Swap HDD and internal 2x 2.5" HDD IPMI 2.0 + KVM with dedicated LAN GPU health monitoring with fan speed control 	<ul style="list-style-type: none"> Up to 4 double width GPU cards in 1U Supports 16 DIMM DDR4-2133MHz 2000W Redundant Platinum Level high-efficiency power supplies 4x 2.5" SATA drives IPMI 2.0 + KVM with dedicated LAN GPU health monitoring with fan speed control 	<ul style="list-style-type: none"> Supports 16 DIMM DDR4-2133MHz 4x 2.5" SATA drives GPU health monitoring with fan speed control Up to 3 GPU cards in 1U
Serverboard	SUPER® X10DGQ	SUPER® X10DGQ	-TR: SUPER® X10DRG-H -TRT: SUPER® X10DRG-HT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHZ in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHZ in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHZ in 16 DIMM slots
Expansion Slots	3 PCI-E by 16 slots 1 PCI-E by 8 low profile slot	4 PCI-E 3.0 x16 slots (4x GPU/Intel® Xeon Phi™ coprocessor opt.) 2 PCI-E 3.0 x8 (in x16) low profile slot	3 PCI-E 3.0 x16 slots (3x GPU/Intel® Xeon Phi™ coprocessor opt.) 1 PCI-E 3.0 x8 (in x16) low profile slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	-TXR: Dual LAN with Intel® i350 Gigabit Ethernet controller -TXRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	2x 2.5" hot-swap SATA drive bays; 2x 2.5" internal HDDs	2x 2.5" hot-swap SATA drive bays; 2x 2.5" internal HDDs	4x 2.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies	Redundant 2000W Platinum Level high-efficiency power supplies	Redundant 1600W Platinum Level high-efficiency power supplies
Cooling System	9x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	9x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 894mm (17.2" x 1.7" x 35.2")	1U Rackmount 437 x 43 x 894mm (17.2" x 1.7" x 35.2")	1U Rackmount 437 x 43 x 777mm (17.2" x 1.7" x 30.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

Data Center Optimized

Data Center Optimized



MODEL	SuperServer® SYS-6018R-MD (shown) SYS-6018R-MDR	SuperServer® SYS-6018R-TD
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 500W Platinum Level high-efficiency power supply; or Redundant 400W Gold Level high-efficiency power supplies • IPMI 2.0 + KVM with Dedicated LAN • Cost Effective 	<ul style="list-style-type: none"> • 480W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with Dedicated LAN • Cost Effective
Serverboard	SUPER● X10DRD-L	SUPER● X10DRD-L
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (Full-Height, Half-Length)	1 PCI-E 3.0 x8 (Full-Height, Half-Length)
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-MD: 2x 2.5" or 1x 3.5" fixed SATA drive bays with bracket -MDR: 2x 2.5" fixed SATA drive bays with bracket	4x 3.5" hot-swap SATA HDD drive bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	-MD: 500W Platinum Level high-efficiency power supply -MDR: Redundant 400W Gold Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	2x blower + 1x 4cm fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Data Center Optimized
Onboard Dual SFP+**



Data Center Optimized



MODEL	SuperServer® SYS-6018R-TDTP SYS-6018R-TDTPR (shown)	SuperServer® SYS-6018R-TD8
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Cloud and Virtualization needs Hosting & Application delivery Database Processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Data Center Cloud and Virtualization needs Hosting & Application delivery Database Processing & Storage Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> 600W Platinum Level High-Efficiency Power Supply; or 500W Redundant Platinum Level IPMI 2.0 + KVM with Dedicated LAN 2x 10G SFP+ onboard 	<ul style="list-style-type: none"> 650W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with Dedicated LAN 16 DIMM DDR4-2133MHz Up to 3 add-on cards 8x 3.5" & 2x 2.5" Fixed SATA Drives
Serverboard	SUPER® X10DRD-LTP	SUPER® X10DDW-i
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (Full-Height, Half-Length)	2 PCI-E 3.0 x16 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD drive bays	8x 3.5" & 2x 2.5" Fixed SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	N/A
Power Supply	-TDTP: 600W Platinum Level high-efficiency power supply -TDTPR: 500W Redundant Platinum Level high-efficiency power supplies	650W Platinum Level high-efficiency power supply
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

Data Center Optimized

Data Center Optimized



MODEL	SuperServer® SYS-6018R-TDW	SuperServer® SYS-1028R-TDW
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 600W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with Dedicated LAN • 16 DIMM DDR4-2133MHz • Up to 3 add-on cards 	<ul style="list-style-type: none"> • 600W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with Dedicated LAN • 16 DIMM DDR4-2133MHz • Up to 3 add-on cards
Serverboard	SUPER● X10DDW-i	SUPER● X10DDW-i
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP) 1 slot for SAS controller mezzanine card	2 PCI-E 3.0 x16 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP) 1 slot for SAS controller mezzanine card
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD drive bays	8x 2.5" hot-swap SATA HDD drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply	600W Platinum Level high-efficiency power supply
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



WIO, NVMe Optimized



WIO, Short-Depth 16.9" Compact



MODEL	SuperServer® SYS-1028R-WTNR SYS-1028R-WTNR	SuperServer® SYS-1028R-WMR SYS-1028R-WMRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; up to 145W TDP
Key Applications	<ul style="list-style-type: none"> Enterprise Performance Native NVMes Cost-effective Storage optimized 8 SATA3 ports and 2 NVMe/SATA3 hybrid ports High-density, Enterprise Performance, Cost-effective 16 DIMM slots 	<ul style="list-style-type: none"> File/Print Server Application and data serving Clone of Server Clustering Business Critical Applications
Outstanding Features	<ul style="list-style-type: none"> 700W/750W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with Dedicated LAN 16 DIMM slots Up to 2 add-on cards 	<ul style="list-style-type: none"> Supports up to 2x AOCs Short-Depth 16.9"
Serverboard	-WTNR: SUPER● X10DRW-N -WTNR: SUPER● X10DRW-NT	-WMR: SUPER● X10DRW-E -WMRT: SUPER● X10DRW-ET
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 full-height, half-length slots	2 PCI-E 3.0 x16 full-height, half-length slots
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-WTNR: Dual LAN with Intel® Ethernet Controller i350-AM2 -WTNR: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	-WMR: 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port -WMRT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8 SATA3 ports and 2 NVMe /SATA3 hybrid ports	2x 2.5" fixed with bracket
Peripheral Bays	N/A	N/A
Power Supply	700W/750W redundant Platinum Level (PWS-706) or Gold Level (PWS-704) high-efficiency power supplies	400W Redundant Gold Level power supplies
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	4x 40x56mm PWM fan; ; 2x fans for AOC cooling
Form Factor	1U Rackmount 437 x 43 x 630mm (17.2" x 1.7" x 24.8")	1U Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



W10 IU
12Gbps SAS 3.0 HW RAID
Optional NVMe



W10 IU
10 SATA3 2.5"



W10 IU



MODEL	SuperServer® SYS-1028R-WC1R(T)	SuperServer® SYS-1028R-WTR(T)	SuperServer® SYS-6018R-WTR(T)
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Disk Backup & Recovery Downloads e-Business Email Server Enterprise Server Web Server 	<ul style="list-style-type: none"> Hosting Cloud & Virtualization VDI Unified Communications 	<ul style="list-style-type: none"> Hosting Cloud & Virtualization VDI Unified Communications
Outstanding Features	<ul style="list-style-type: none"> 2 SATA DOM support with built-in power SAS 3.0 (12Gbps) support 16 DIMM slots Up to 2 add-on cards Redundant 700W/750W Platinum Level high efficiency power supplies Optional two 2.5" NVMe drives support 	<ul style="list-style-type: none"> 2 SATA DOM support with built-in power 16 DIMM slots Up to 2 add-on cards Redundant 700W/750W Platinum Level high efficiency power supplies 10x SATA3 ports 	<ul style="list-style-type: none"> 2 SATA DOM support with built-in power 2x 10GBase-T Ports Redundant 700W/750W Platinum Level high efficiency power supplies 16 DIMM slots Up to 2 add-on cards
Serverboard	-WC1R: SUPER® X10DRW-i -WC1RT: SUPER® X10DRW-iT	-WTR: SUPER® X10DRW-i -WTRT: SUPER® X10DRW-iT	-WTR: SUPER® X10DRW-i -WTRT: SUPER® X10DRW-iT
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (FHHL)	2 PCI-E 3.0 x16 (FHHL) 1 PCI-E 3.0 x8 Mezzanine for HBA cards	2 PCI-E 3.0 x16 (FHHL) 1 PCI-E 3.0 x8 Mezzanine for HBA cards
Onboard Storage Controller	SAS3 LSI 3108 (12Gbps) HW RAID controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C612 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-WC1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WC1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SAS/SATA + 2x 2.5" SATA/NVMe drive bays	10x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	1 slim DVD-ROM drive (optional)
Power Supply	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Short Depth,
SAS3**



**Short Depth,
10GbE, SAS3
Redundant Power Supplies**



MODEL	SuperServer® SYS-1028R-MCT	SuperServer® SYS-1028R-MCTR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • Web Server • Enterprise Server • Managed Hosting 	<ul style="list-style-type: none"> • Data Center • Web Server • Enterprise Server • Managed Hosting
Outstanding Features	<ul style="list-style-type: none"> • IPMI 2.0 + KVM with dedicated LAN • 600W Platinum Level high-efficiency power supply • Short-Depth • 2x 10GBase-T Ports • LSI 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives 	<ul style="list-style-type: none"> • IPMI 2.0 + KVM with dedicated LAN • Redundant 600W Platinum Level high-efficiency power supplies • Short-Depth • 2x 10GBase-T Ports • LSI 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives
Serverboard	SUPER● X10DRL-CT	SUPER● X10DRL-CT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8
Onboard Storage Controller	LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SATA/SAS drive bays	8x 2.5" hot-swap SATA/SAS drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply	Redundant 600W Platinum Level high-efficiency power supplies
Cooling System	4x 4cm high performance PWM fans with optimal fan speed control	4x 4cm high performance PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Short Depth
DDR4 8x DIMMs,**



**Short Depth
DDR4 8x DIMMs,
Redundant Power Supplies**



Mainstream UP



MODEL	SuperServer® SYS-6018R-MT	SuperServer® SYS-6018R-MTR	SuperServer® SYS-5019S-L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported
Key Applications	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server Managed Hosting 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server Managed Hosting 	<ul style="list-style-type: none"> Low Power, Low Cost Applications
Outstanding Features	<ul style="list-style-type: none"> 480W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Short-Depth 	<ul style="list-style-type: none"> 400W Redundant Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN Short-Depth 	<ul style="list-style-type: none"> Supports Low Power CPU Compact Form Factor Less than 12 inches depth 1x PCI-E 3.0 x8 expansion slot Up to 1x internal 3.5", 2x 2.5" drives (option)
Serverboard	SUPER® X10DRL-i	SUPER® X10DRL-i	SUPER® X11SSL-F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C232 Express chipset
System Memory (Max.)*	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1x PCI-E 3.0 x8 expansion slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C232 Express chipset
Connectivity	Dual Intel® i210 single port Gigabit Ethernet LAN	Dual Intel® i210 single port Gigabit Ethernet LAN	2x USB 2.0, USB 3.0, VGA, Serial
VGA/Audio	AST2400 VGA	AST2400 VGA	Integrated video from Aspeed BMC
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	Up to 1x internal 3.5", 2x 2.5" drives (option)
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	480W Platinum Level high-efficiency power supply	Redundant 400W Gold Level high-efficiency power supplies	200W high-efficiency power supply
Cooling System	4x 4cm heavy duty counter-rotating fans with optimal fan speed control	4x 4cm heavy duty counter-rotating fans with optimal fan speed control	2x 4cm chassis internal fan
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U rackmount 437 x 43 x 287mm (17.2" x 1.7" x 11.3")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



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MODEL	SuperServer® SYS-5019S-ML	SuperServer® SYS-5019S-M	SuperServer® SYS-5019S-MR
Processor Support	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported
Key Applications	<ul style="list-style-type: none"> Entry level, Cost effective 	<ul style="list-style-type: none"> High Flexibility, VM, Communication File/Print, Web Hosting 	<ul style="list-style-type: none"> HA, File/Print Server Web Hosting, VM
Outstanding Features	<ul style="list-style-type: none"> Support Intel® VHD (with selected CPU) and NM M.2 mini-PCI-E connector: Support 2280 Compact, less than 15 inches depth Up to 2x internal 3.5", 3x 2.5" drives (option) 	<ul style="list-style-type: none"> M.2 mini-PCI-E support 2280 form factor Up to 4 hot-swap 3.5" drives Front USB 3.0 ports Quick Release Rails 1x PCI-E 3.0 x8 (x16) expansion slot SuperDOM support (SATA DOM support) 2x GbE port, 1x dedicated IPMI port 	<ul style="list-style-type: none"> M.2 PCI-E support 2280 form factor Supermicro Battery Back Up (BBP®) option Support Intel® VHD (with selected CPU) and NM Redundant 400W high-efficiency power Up to 4 hot-swap 3.5" drives Internal fixed drive options 2x GbE port, 1x dedicated IPMI port Front USB 3.0 ports Quick Release Rails
Serverboard	SUPER● X11SSH-F	SUPER● X11SSH-F	SUPER● X11SSH-F
Chipset	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® C236 Express chipset
System Memory (Max.)*	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz
Expansion Slots	1x PCI-E 3.0 x8 add-on card slot	1x PCI-E 3.0 x8 (in x16)	1x PCI-E 3.0 x8 (in x16)
Onboard Storage Controller	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® C236 Express chipset
Connectivity	USB 3.0, 2x USB 2.0, VGA, Serial	2x USB 3.0 (front/rear), USB 2.0, VGA, Serial	2x USB 3.0 (front/rear), USB 2.0, VGA, Serial
VGA/Audio	Integrated VGA from Aspeed BMC	Integrated VGA from Aspeed BMC	Integrated video from Aspeed BMC
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
Drive Bays	Up to 2x internal 3.5"; 3x 2.5" drives (option)	4x 3.5" Hot-swap SATA3 bays w/ RAID	4x 3.5" Hot-swap SATA3 bays w/ RAID
Peripheral Bays	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay
Power Supply	350W high-efficiency power supply	350W high-efficiency power supply	Redundant 400W high-efficiency power Supermicro Battery Back Up (BBP®) option
Cooling System	2x 4cm chassis internal fan	4x 4cm chassis internal fan	4x 4cm chassis internal fan
Form Factor	1U Rackmount 437 x 43 x 366mm (17.2" x 1.7" x 14.4")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



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MODEL	SuperServer® SYS-5019S-MN4	SuperServer® SYS-5019S-WR	SuperServer® SYS-5019S-MT
Processor Support	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor product families, Socket H4 (LGA 1151) supported
Key Applications	<ul style="list-style-type: none"> General purpose, SMB, Web Hosting Domain Controller, File/Print Front USB 3.0 ports Quick Release Rails 	<ul style="list-style-type: none"> HA, High flexibility, VM, Communication 	<ul style="list-style-type: none"> Storage HN, VM, Hosting Server Compact File Server
Outstanding Features	<ul style="list-style-type: none"> M.2 mini-PCI-E support 2280 Support Intel® VHD (with selected CPU) and NM SATA DOM support 4x GbE LAN ports 	<ul style="list-style-type: none"> Quick Release Rails 2x PCI-E 3.0 x8, 1x PCI-E 3.0 x4 (x8) add-on card slot M.2 mini-PCI-E connector (PCI-E 3.0 x2) 2x PCI-E 3.0 x8 (or 1x16) and 1 x8 (x4 signal) add-on card slots 1+1 Redundant 500W high-efficiency power Up to 4 hot-swap 3.5" drives 	<ul style="list-style-type: none"> 2x 10G Base-T LAN ports Intel® Node Management Up to 4x hot-swap 3.5" SATA3 drives Optional slim optical drive or fixed internal 1x PCI-E add-on card slot Front USB 3.0 ports Quick Release Rails M.2 PCI-E x4 support 2260
Serverboard	SUPER® X11SSH-LN4F	SUPER® X11SSW-F	SUPER® X11SSH-TF
Chipset	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® C236 Express Chipset
System Memory (Max.)*	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz
Expansion Slots	1x PCI-E 3.0 x8 (in x16)	2x PCI-E 3.0 x8 1x PCI-E 3.0 x4 (x8) add-on card slot	1x PCI-E 3.0 x8 (in x16) add-on card slot
Onboard Storage Controller	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® C236 Express Chipset
Connectivity	Quad LAN with Intel® Ethernet Controller i210-AT; 2x USB 3.0 (front/rear), USB 2.0, VGA, Serial	USB 2.0, USB 3.0, VGA, Serial	2x USB 2.0, USB 3.0(front/rear), VGA, Serial
VGA/Audio	Integrated video from Aspeed BMC	Integrated VGA from Aspeed BMC	Integrated video from Aspeed BMC
Management	Built-in Aspeed BMC with IPMI 2.0, KVM, and more	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
Drive Bays	4x 3.5" Hot-swap SATA3 bays w/ RAID	Up to 4 hot-swap 3.5" drives	Up to 4x hot-swap 3.5" SATA3 drives
Peripheral Bays	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay	330W high-efficiency power supply
Power Supply	350W high-efficiency power supply	350W high-efficiency power supply	350W high-efficiency power supply
Cooling System	4x 4cm chassis internal fan	4x 4cm chassis internal fan	4x 4cm chassis internal fan
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

**Embedded
Security and Surveillance
Appliance Server
UP**

New!
WIO

New!
*Embedded, vPro
3 Independent Displays*

New!
Mainstream UP



SuperServer® SYS-5019S-M2	SuperServer® SYS-1019S-WR	SuperServer® SYS-1019S-M2	SuperServer® SYS-1019S-MC0T
6th Gen Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor product families, Intel® Pentium® Processor, Intel® Celeron® Processor in LGA1151	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Pentium® Processor, Intel® Celeron® Processor product families supported	6th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor, Intel® Pentium® Processor, Intel® Celeron® Processor product families, LGA1151 Socket H4 supported	Intel® Xeon® processor E3-1200 v5, 6th Gen. Intel® Core™ i3 processor, Intel® Pentium® Processor, Intel® Celeron® Processor product families supported
<ul style="list-style-type: none"> Security and Surveillance Appliance Server Secure Storage 	<ul style="list-style-type: none"> Appliance Server Embedded Applications 	<ul style="list-style-type: none"> Industrial Automation & Control Military Compact Server VOIP and Network Appliance Medical Applications 	<ul style="list-style-type: none"> Storage HN, VM, Hosting Server Compact File Server
<ul style="list-style-type: none"> Supports 6th Gen Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor product families in 1U 2x DP, DVI-I, total 3x independent display 4x 3.5" SATA3 (SAS3 option) hot-swap drive bays Intel® vPro™ and AMT 2x Gigabit LAN with AMT 1x PCI Express 3.0 x16 FH, FL slot 7 year life cycle 	<ul style="list-style-type: none"> Max. I/O solution 1 x4, and 2 x8 or 1 x16 optional expansion slots Support 1 double width GPU card (option) Quick Release Rail M.2 PCI-E 3.0 x4 support 2260 	<ul style="list-style-type: none"> Remote management via IPMI or vPro 2x Gigabit LAN ports, 3 independent displays, 2 display ports and 1 DVI-I Full Height and Full Length add on card support Power redundancy or BBP support Embedded long life 	<ul style="list-style-type: none"> 2x 10G GbE port Quick Release Rails Intel Node Management M.2 PCI-E 3.0 x4 support 2260 LSI 3008 SAS3 built-in Up to 8x 2.5" hot-swap SAS3 Option slim optical drive or fixed internal drive 1 PCI-E add-on slot
SUPER● X11SSZ-F	SUPER● X11SSW-F	SUPER● X11SSZ-QF	SUPER● X11SSH-CTF
Intel® C236 chipset	Intel® C236 chipset	Intel® Q170	Intel® C236 Express chipset
Up to 4 DIMMs, 64 GB of 2133MHz DDR4 UDIMM NON-ECC	Up to 64GB Unbuffered ECC, DDR4-2133MHz in 4 DIMM slots	Up to 64GB Unbuffer, DDR4-2133MHz in 4 DIMM slots	Up to 4x ECC/non-ECC UDIMM slots, up to 64GB DDR4-2133MHz
1x PCI Express 3.0 x16 FH, FL slot	1 PCI-E 3.0 x16 or 2 x8 Left Riser Slot; 1 PCI-E 3.0 x4 (in x8 slot)	1 PCI-E 3.0 x16 (in x16 slot)	1 PCI-E 3.0 x8 (in x16) add-on card slot
Intel® C236 chipset	Intel® C236 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® Q170 Express controller for 2 SATA3 (6 Gbps) ports; RAID 0,1	Intel® C236 Express chipset LSI 3008 SAS3 built-in
4x USB 3.0 (2x rear), 9x USB 2.0 (2x rear) 1x USB 2.0 Type A 2x Serial header 1x SuperDOM (shared) Audio header	Dual LAN with Intel® Ethernet Controller I210-AT	2x USB 3.0, 2x USB 2.0 2x RJ45 Gigabit Ethernet LAN TPM Header	2x USB 2.0, USB 3.0, VGA, Serial
1 Aspeed AST2400 BMC	1 Aspeed AST2400 BMC	2 DP (DisplayPort), 1 DVI-I, 1 VGA, Intel® HD Graphics ALC 888S HD Audio	Integrated video from Aspeed BMC
Integrated BMC with IPMI 2.0, KVM	Intel® Node Manager; IPMI2.0; NMI; SPM; SSM; SUM; SuperDoctor® 5; Watchdog	AMT; IPMI 2.0; KVM with dedicated LAN; NMI; SuperDoctor® 5; vPro; Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
4x 3.5" SATA3 (SAS3 option) hot-swap drive bays, Intel® RST	Internal 2x 2.5" SATA	2x 2.5" fixed with bracket	8x hot-swap 2.5" HDD
1x slim DVD-ROM drive bay	N/A	N/A	1x slim DVD-ROM drive bay
350W high-efficiency power supply	400W Platinum Level 1U Redundant Power Supplies with PMbus	1x PWS-407P-1R, Platinum Level and support 2nd redundant PSU PWS-407P-1R or battery backup unit PWS-206B-1R (optional)	Single 330W high-efficiency power supply
4x 4cm internal fans	4x 40x56mm PWM fan; 2x fans for AOC cooling	4x 40x56mm PWM fan; 2x fans for AOC cooling (optional)	3x 4cm chassis internal fan

UP GPU/Intel® Xeon Phi™ coprocessor

UP GPU/Intel® Xeon Phi™ coprocessor

UP WIO

UP WIO Flexible I/O Storage Array



SuperServer® SYS-1018GR-T	SuperServer® SYS-5018GR-T	SuperServer® SYS-1018R-WR	SuperServer® SYS-1018R-WC0R
Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported
<ul style="list-style-type: none"> Oil and gas HPC cluster computer nodes 	<ul style="list-style-type: none"> Oil and gas HPC cluster computer nodes 	<ul style="list-style-type: none"> Appliance Server Embedded Applications 	<ul style="list-style-type: none"> DataCenter Applications Security Server Appliance Video Server Virtualization Server Web Server
<ul style="list-style-type: none"> 1400W Platinum Level Digital Power Supply 6x 2.5" SATA drives Cost effective UP platform GPU health monitoring with fan speed control IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> 1400W Platinum Level Digital power supply 3x 3.5" SAS/SATA drive bays Cost effective UP platform GPU health monitoring with fan speed control IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> Max. I/O solution 1 x8, and 2 x16 expansion slots Support 1 double wide GPU cards Quick Release Tail Support 1 double width PGU (option) 	<ul style="list-style-type: none"> 8x SATA3 (SAS3 option) + 2x SATA3 2.5" hot-swap drive bays 2 PCI-E 3.0 x16 slots; 1 PCI-E 3.0 x8 slot Redundant 750W 1+1 power supplies 2 Gigabit Ethernet Ports Up to 3 add-on cards
SUPER® X10SRG-F	SUPER® X10SRG-F	SUPER® X10SRW-F	SUPER® X10SRW-F
Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 256GB Registered ECC, DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16 Left Riser Slot; 1 PCI-E 3.0 x8 LP	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (Total 3 add-on card slots)
Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,10
Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® Ethernet Controller I350-AM2	2x GbE port, 2x USB 2.0, USB 3.0, VGA, Serial
AST2400 VGA	AST2400 VGA	AST2400 VGA	AST2400 VGA
IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI2.0; SuperDoctor® 5; Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
6x 2.5" hot-swap SAS/SATA drive bay	3x 3.5" hot-swap SAS/SATA	2x 2.5" fixed with bracket	8x SATA3 (SAS3 option) + 2x SATA3 hot-swap drive bays (w/ RAID option)
N/A	N/A	N/A	N/A
1400W Platinum Level Digital high-efficiency power supply with I²C & PMBus	1400W Platinum Level Digital high-efficiency power supply with I²C & PMBus	400W Platinum Level 1U Redundant Power Supplies with PMBus	Redundant 750W Platinum Level high-efficiency power supplies
8x 4cm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 4cm high-performance counter-rotating PWM fans with optimal fan speed control	4x 40x56mm PWM fan; 2x fans for AOC cooling	5x counter-rotating 40mm fans
1U Rackmount 437 x 43 x 724mm (17.2" x 1.7" x 28.5")	1U Rackmount 437 x 43 x 716mm (17.2" x 1.7" x 28.2")	1U Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")



UP WIO
Flexible I/O, Storage Array



UP, Cost-Effective
Redundant / Non-Redundant
Options



UP, Cost-Effective
Redundant / Non-Redundant
Options



MODEL	SuperServer® SYS-5018R-WR	SuperServer® SYS-5018R-M	SuperServer® SYS-5018R-MR
Processor Support	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Data Deduplication & Replication Database Processing & Storage DataCenter Applications Engineering Design FireWall Applications 	<ul style="list-style-type: none"> DataCenter Applications Server Appliance Mainstream Server Usage Mission-Critical 	<ul style="list-style-type: none"> DataCenter Applications Server Appliance Mainstream Server Usage Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> Hot-swap 4x SATA3 drive bays 2 PCI-E x16 3.0 slots 1 PCI-E x8 slot 2 Gigabit Ethernet Ports Up to 3 add-on cards 	<ul style="list-style-type: none"> 350W high-efficiency power supply Short-depth (19.8"D) 	<ul style="list-style-type: none"> Redundant 400W high-efficiency power supplies w/ BBP™ module support Short-depth (19.8"D)
Serverboard	SUPER® X10SRW-F	SUPER® X10SRi-F	SUPER® X10SRi-F
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 LP (Total 3 add-on card slots)	1 x16 PCI-E 3.0 slot	1 x16 PCI-E 3.0 slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	2x GbE port, 2x USB 2.0, USB 3.0, VGA, Serial	4x USB 2.0 (front/rear), USB 3.0, VGA, Serial	4x USB 2.0 (front/rear), USB 3.0, VGA, Serial
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x SATA3 hot-swap drive bays (w/ RAID option)	4x 3.5" hot-swap SATA3 bays	4x 3.5" hot-swap SATA3 bays
Peripheral Bays	Optional slim optical device bay, optional FDD/USB bay	Optional slim optical device bay, optional FDD/USB bay	Optional slim optical device bay, optional FDD/USB bay
Power Supply	Redundant 500W Platinum Level high-efficiency power supplies	350W high-efficiency power supply	Redundant 400W high-efficiency power supplies with optional BBP™ module support
Cooling System	4x counter-rotating 40mm fans	4x 40mm mid-fan	4x 40mm mid-fan
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	Short-depth 1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	Short-depth 1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

Embedded
Intel® Atom™ Processor
8-Core,
7 LAN with 6 ports bypass



New!
Embedded
4 Core Apollo lake



New!
Embedded
1U Compact Mini ITX BOX



New!
Embedded
1U Compact Mini ITX BOX



SuperServer® SYS-5018A-TN7B	SuperServer® SYS-E200-9AP	SuperServer® SYS-E200-9B	SuperServer® SYS-E200-8B
Intel® Atom™ Processor C2758 Socket FCBGA1283 supported	Quad-Core Apollo Lake Goldmont 64-bit 14nm System on Chip	Quad-Core Intel® Pentium® Processor N3700 (6W, 4C)	Intel® Celeron™ Processor J1900 (10W, 4C)
<ul style="list-style-type: none"> • Network Security Appliance • FireWall Applications • Virtualization Server • Embedded Applications 	<ul style="list-style-type: none"> • Digital Signage • Security Appliance and Video Surveillance • Indoor Kiosk 	<ul style="list-style-type: none"> • Embedded Applications • Thin Client • Digital Signage • Indoor Kiosk • Networking Appliance 	<ul style="list-style-type: none"> • Embedded Applications • Thin Client • Digital Signage • Indoor Kiosk
<ul style="list-style-type: none"> • 7xGbE LAN with 6 ports bypass • 8-Core Intel® Atom™ Processor up to 64GB ECC Memory • 7xGbE LAN with 6 ports bypass • 8-Core Intel® Atom™ Processor • Embedded long life • Full size mSATA support • Up to 64GB DDR3 1600MHz ECC 	<ul style="list-style-type: none"> • M.2 2242, 2280, 22110 with M-key (full size) mSATA support • Dual display for HDMI, Display Port, VGA • 2x Gbe LAN 	<ul style="list-style-type: none"> • Cost Effective Embedded Mini ITX System • Low Power Consumption • 1U Compact Mini ITX BOX System • Low power SoC Intel® Pentium® N3700 (6W, 4C) • Dual display for HDMI, Display Port, VGA • Intel® i210AT Quad GbE LAN • 2 x USB 3.0 ports, 2 x USB 2.0 (Rear I/O) • COM port (Rear I/O) 	<ul style="list-style-type: none"> • Cost Effective Embedded Mini ITX System • 1U Compact Mini ITX BOX System • Low power SoC Intel® Celeron™ J1900 (10W, 4C) • Dual display for HDMI, Display Port, VGA • Intel® i210AT dual port GbE LAN
SUPER® A1SRM-LN7F-2758	SUPER® A2SAV-L	SUPER® X11SBA-LN4F	SUPER® X10SBA
Intel® Atom Processor C2758	N3700	N3700	J1900
64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slotsx8 Width only	Up to 8 GB of DDR3 SODIMM 1600MHz	Up to 8GB 1600MHz DDR3 Non-ECC SO-DIMM in 2 sockets	Up to 8GB 1333MHz DDR3L Non-ECC SO-DIMM in 2 socket
1 FH (Full-height, Half-length)	N/A	1 Mini-PCI-E slot with mSATA support	1 Mini-PCI-E slot, 1 mSATA slot
SoC controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps)	N/A	Intel® SoC	Intel® SoC - SATA 2.0 (3Gbps) Marvell 88SE9230 - SATA 3.0 (6Gbps)
Quad LAN with Intel® C2000 SoC; Single LAN with Intel® Ethernet Controller I210-AT; Dual LAN with Intel® Ethernet Controller I350-AM2 4 USB 2.0 (rear)	1 COM	Quad Gigabit LAN with Intel® I210-AT	Dual Gigabit LAN with Intel® I210-AT
1 VGA, 1 Aspeed AST2400 BMC	N/A	Aspeed AST2400 BMC ALC 888S HD Audio	Intel® HD Graphics ALC 88S HD Audio
IPMI2.0; NMI; SUM; SuperDoctor® 5; Watchdog	N/A	IPMI 2.0 with KVM support; SuperDoctor® 5	SuperDoctor® 5
1x 3.5" fixed drive bay or 2x2.5" drive bay with optional bracket	N/A	1x 2.5" internal HDD support	1x 2.5" internal HDD support
N/A	N/A	N/A	N/A
200W Multi-output Gold Level power supply	60W DC power adapter	60W DC power adapter	60W DC power adapter
2x 4cm counter-rotating PWM fan, support up to three system fans	1x 4cm high performance PWM fan	1x 4cm high performance PWM fan, support up to 2 chassis fans	1x 4cm high performance PWM fan, support up to 2 chassis fans
Mini-1U 17.2" (437mm) x 1.7" (43mm) x 11.3" (287mm)	1U Mini ITX BOX PC 195 x 44 x 195mm (7.68" x 1.75" x 7.68")	1U Mini ITX BOX PC 195 x 44 x 195mm (7.68" x 1.75" x 7.68")	1U Mini ITX BOX PC 195 x 44 x 195mm (7.68" x 1.75" x 7.68")



**1U 2-GPU/Intel® Xeon Phi™
coprocessor**



**1U 3-GPU/Intel® Xeon Phi™
coprocessor**



**1U 3-GPU/Intel® Xeon Phi™
coprocessor**



MODEL	SuperServer® SYS-1027GR-TRF+ SYS-1027GR-TRFT+	SuperServer® SYS-1027GR-72R2 SYS-1027GR-72RT2	SuperServer® SYS-1027GR-TR2 SYS-1027GR-TRT2
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to dual 8.0GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to dual 8.0GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to dual 8.0GT/s
Key Applications	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas 	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas 	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 1800W Redundant Platinum Level high-efficiency power supplies • 4x 2.5" SATA drives • Up to 2 GPU/Intel® Xeon Phi™ coprocessor in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 4x 2.5" SAS/SATA drives • Up to 3 GPU/Intel® Xeon Phi™ coprocessor in 1U • GPU/Intel® Xeon Phi™ coprocessor health monitoring with fan speed control • LSI 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 4x 2.5" SATA drives • Up to 3 GPU/Intel® Xeon Phi™ coprocessor in 1U • GPU health monitoring with fan speed control • 1600W Redundant Platinum Level high-efficiency power supplies
Serverboard	-TRF+: SUPER® X9DRG-HF+ -TRFT+: SUPER® X9DRG-HTF+	-72R2: SUPER® X9DRG-HF+II -72RT2: SUPER® X9DRG-HTF+II	-TR2: SUPER® X9DRG-HF+II -TRT2: SUPER® X9DRG-HTF+II
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 slots (2 GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low-profile lot	3 PCI-E 3.0 x16 slots (3x GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low profile slot	3 PCI-E 3.0 x16 slots (3x GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low profile slot
Onboard Storage Controller	Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C602 AHCI controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; LSI 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives	Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-TRF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRFT+: Dual 10GBase-T ports with Intel® X540 controller	-72R2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -72RT2: Dual 10GBase-T ports with Intel® X540 controller	-TR2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRT2: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog
Drive Bays	4x 2.5" hot-swap SAS/SATA drive bay	4x 2.5" hot-swap SAS/SATA drive bay	4x 2.5" hot-swap SAS/SATA drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	9x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x777mm (17.2" x 1.7" x 30.6")	1U Rackmount 437 x 43 x777mm (17.2" x 1.7" x 30.6")	1U Rackmount 437 x 43 x777mm (17.2" x 1.7" x 30.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**IU 3-GPU/Intel® Xeon Phi™
coprocessor**



**IU 3-GPU/Intel® Xeon Phi™
coprocessor**



**IU 4-GPU/Intel® Xeon Phi™
coprocessor**



MODEL	SuperServer® SYS-1027GR-TRF SYS-1027GR-TRFT	SuperServer® SYS-1027GR-TSF	SuperServer® SYS-1027GR-TQF SYS-1027GR-TQFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8.0GT/s
Key Applications	<ul style="list-style-type: none"> Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics 	<ul style="list-style-type: none"> Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics 	<ul style="list-style-type: none"> Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics
Outstanding Features	<ul style="list-style-type: none"> Up to 3 GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives IPMI 2.0 + KVM w/ dedicated LAN GPU/Intel® Xeon Phi™ coprocessor health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power 	<ul style="list-style-type: none"> Up to 3 GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives IPMI 2.0 + KVM w/ dedicated LAN GPU/Intel® Xeon Phi™ coprocessor health monitoring with fan speed control 1800W Platinum Level high-efficiency power 	<ul style="list-style-type: none"> Up to 4 PCI-E 3.0 x16 support 4 double width GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives IPMI 2.0 + KVM w/ dedicated LAN GPU/Intel® Xeon Phi™ coprocessor health monitoring with fan speed control 1800W Platinum Level high-efficiency power
Serverboard	-TRF: SUPER® X9DRG-HF -TRFT: SUPER® X9DRG-HTF	SUPER® X9DRG-HF	-TQF: SUPER® X9DRG-HF -TQFT: SUPER® X9DRG-HTF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 support 3 double width GPU/Intel® Xeon Phi™ coprocessor 1 PCI-E 3.0 x8 (in x16 low-profile)	3 PCI-E 3.0 x16 support 3 double width GPU/Intel® Xeon Phi™ coprocessor 1 PCI-E 3.0 x8 (in x16 low-profile)	4 PCI-E 3.0 x16 support 4 double width GPU/Intel® Xeon Phi™ coprocessor 1 PCI-E 3.0 x8 (in x16 low-profile)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	-TRF: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors	Dual LAN with Intel® i350 Gigabit Ethernet controller	-TQF: Dual LAN with Intel® i350 Gigabit Ethernet controller -TQFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 2.5" hot-swap SATA drive bays	4x 2.5" hot-swap SATA drive bays	4x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1800W Platinum Level high-efficiency power supply with I²C & PMBus	1800W Platinum Level high-efficiency power supply with I²C & PMBus
Cooling System	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	12x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")



WIO+



WIO+



WIO+



MODEL	SuperServer® SYS-1027R-WRF4+ SYS-1027R-WRFT+	SuperServer® SYS-6017R-N3RFT+	SuperServer® SYS-6017R-N3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> Quad /Dual Gigabit Ethernet LAN Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies Eight 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Dual Intel® 10GBase-T ports Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Quad Gigabit Ethernet LAN Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN
Serverboard	-WRF4+: SUPER● X9DRW-3LN4F+ -WRFT+: SUPER● X9DRW-3TF+	SUPER● X9DRW-3TF+	SUPER● X9DRW-3LN4F+
Chipset	Intel® C606 chipset	Intel® C606 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)
Onboard Storage Controller	Ready for SAS or SATA add-on card	Intel® C606 controller for 4 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C606 controller for 4 SAS/SATA2 (3Gbps) ports; RAID 0,1,10
Connectivity	-WRF4+: Quad LAN with Intel® i350 Gigabit Ethernet controller; -WRFT+: Dual LAN with Intel® i350 Gigabit Ethernet controller; Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors;	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors Dual LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with 2x Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus
Cooling System	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.6")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**WIO 12Gbps SAS3
HW RAID, NVMe**

**WIO
12Gbps SAS 3.0 HW RAID**

**WIO / HW SAS2 /
10GbE SFP+**



MODEL	SuperServer® SYS-1027R-WC1NR SYS-1027R-WC1NRT	SuperServer® SYS-1027R-WC1R SYS-1027R-WC1RT	SuperServer® SYS-1027R-72RFTP SYS-1027R-W2RFTP
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Applications • Data Center Applications 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • HPC • Compute Intensive Storage Environments • Data Center • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> • Supports up to two 2.5" NVMe PCI-E SSDs • 10x 2.5" SAS/SATA drive bays • 16 DIMM slots • 2x 10GBase-T Ports • LSI 3108 controller for 8 SAS 3.0 (12Gbps) hot-swappable drives 	<ul style="list-style-type: none"> • 10x 2.5" SAS/SATA drive bays • LSI 3108 controller for 8 SAS 3.0 (12Gbps) hot-swappable drives • Up to 2 add-on cards (2 full-height & half-length) • 700W Redundant Gold Level high-efficiency power supplies 	<ul style="list-style-type: none"> • 3 PCI-E 3.0 cards in 1U • 2 10G SFP+ ports • LSI 2208 controller for 8 SAS/SATA (6Gbps) hot-swappable drives • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-WC1NR: SUPER® X9DRW-CF31 -WC1NRT: SUPER® X9DRW-CTF31	-WC1R: SUPER® X9DRW-CF31 -WC1RT: SUPER® X9DRW-CTF31	-72RFTP: SUPER® X9DRW-7TPF -W2RFTP: SUPER® X9DRW-iTPF
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (FH, HL); Two CPUs required to enable the PCI-E slot	2 PCI-E 3.0 x16 (FH, HL); Both CPUs need to be installed for full access to PCI-E slots	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)
Onboard Storage Controller	LSI 3108 SAS 3.0 (12Gbps) HW RAID controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1	LSI 3108 SAS 3.0 (12Gbps) HW RAID controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps) RAID 0,1,5,10 RAID 0,1,5,10 (Windows), RAID 0,1,10 (Linux); Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,5,10; LSI 2208 1GB DDR3 cache HW controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60 (for -72RFTP only)
Connectivity	-WC1NR: Dual port Intel® i350 Gigabit LAN -WC1NRT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller; 1 Realtek RTL8211E PHY (dedicated IPMI)	-WC1R: Dual port Intel® i350 Gigabit LAN -WC1RT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	Dual port Intel® i350 Gigabit LAN and Dual 10Gb SFP+ with Broadcom BCM57810S
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics (-72RFTP)
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog;	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap drive bays (8 SAS3 and 2 NVMe /SATA3)	10x 2.5" hot-swap SAS/SATA drive bays	8x 2.5" hot-swap HDD bays
Peripheral Bays	N/A	N/A	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with iFC & PMBus	700W Redundant Gold Level high-efficiency power supplies with iFC & PMBus	700W Redundant Gold Level high-efficiency power supplies with iFC & PMBus
Cooling System	6x 4cm heavy duty counter-rotating fans	4x 40x56mm counter-rotation PWM fan; 2x fans for AOC cooling. (Total of 6 fans included)	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**WIO / HW SAS2 /
10GbE SFP+ / BBP®**



**WIO
Cost Effective**



WIO



MODEL	SuperServer® SYS-1027R-72BRFTP	SuperServer® SYS-6017R-WTRFTP+	SuperServer® SYS-6017R-72RFTP SYS-6017R-WTRFTP
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • HPC • Compute Intensive Storage Environments • Data Center • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • HPC • Compute Intensive Storage Environments • Data Center • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • HPC • Compute Intensive Storage Environments • Data Center • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> • 3 PCI-E 3.0 cards in 1U • 2 10G SFP+ ports • LSI 2208 controller for 8 SAS/SATA (6Gbps) hot-swappable drives • UPS Battery Option • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 24 Dimm support • Intel® 82599 Dual port 10G SFP+ • 2x SFP+ 10Gb LAN ports • 2 PCI-E 3.0 (x16) • 1 PCI-E 3.0 (x8) Low-profile • 24 DIMM support 	<ul style="list-style-type: none"> • 3 PCI-E 3.0 cards in 1U • 2 10G SFP+ ports • LSI 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives • IPMI 2.0 + KVM with dedicated LAN • 700W Redundant Gold Level high-efficiency power supplies
Serverboard	SUPER● X9DRW-7TPF	SUPER● X9DRW-iTPF+	-72RFTP: SUPER● X9DRW-7TPF -WTRFTP: SUPER● X9DRW-iTPF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)	Left Riser Slot: 2 PCI-E 3.0 x16 (1 FH/HL, 1 FH/FL) slots Right Riser Slot: 1 PCI-E 3.0 (LP) slot	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)
Onboard Storage Controller	LSI 2208 controller for 8 SAS/SATA (6Gbps) ports; HW RAID 0, 1, 5, 6, 10, 50, 60; 1GB DDR3 cache (1333MHz)	Intel® C602J AHCI controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps)0,1,5,10RAID 0,1,5,10 (Windows), RAID 0,1,10 (Linux)	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps) RAID 0,1,5,10 RAID 0,1,5,10 (Windows), RAID 0,1,10 (Linux); Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,5,10; LSI 2208 1GB DDR3 cache HW controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60 (for -72RFTP only)
Connectivity	Dual port Intel® i350 Gigabit LAN + Dual port Broadcom BCM57810S 10Gb SFP+	Dual LAN with Intel® i350 Gigabit Ethernet Controller; Dual LAN with Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual port Intel® i350 Gigabit LAN and Dual 10Gb SFP+ with Broadcom BCM57810S
VGA/Audio	Matrox® G200eW graphics	1 Nuvoton WPCM450 BMC	Matrox® G200eW graphics (-72RFTP)
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap HDD bays	4x 3.5" hot-swap SAS/SATA HDD bays	4x 3.5" hot-swap HDD bays
Peripheral Bays	Front side USB	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus; Additional two 200W Battery Backup Power Modules	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus
Cooling System	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control	5x 40x56mm PWM fan; 1x fan for PCI card cooling	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.9")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



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MODEL	SuperServer® SYS-1027R-N3RF	SuperServer® SYS-1027R-WRF	SuperServer® SYS-6017R-NTF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies 10x 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies 8x 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> 16 DIMM slots 600W Platinum Level power supplies Up to 2 add-on cards IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRW-3F	SUPER● X9DRW-iF	SUPER● X9DRW-iF
Chipset	Intel® C606 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 2 PCI-E 3.0 x16 (2 FH/6.6"L)	Left slot: 2 PCI-E 3.0 x16 (2 FH/6.6"L)	Left slot: 2 PCI-E 3.0 x16 (FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) ports; RAID 0,1,10	Ready for SAS or SATA add-on card	Intel® C602 controller for 4 SATA2 (3Gbps) or 2 SATA3 + 2 SATA2 ports; RAID 0,1,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog
Drive Bays	10x 2.5" hot-swap SAS/SATA drive bays	8x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SATA drive bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with iFC & PMBus	700W Redundant Gold Level high-efficiency power supplies with iFC & PMBus	600W Platinum Level high-efficiency power supply with iFC & PMBus
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



WIO

24 DIMMs, 10GBase-T
Data Center Optimized

Data Center Optimized



MODEL	SuperServer® SYS-6017R-WRF	SuperServer® SYS-6017R-TDT+	SuperServer® SYS-1027R-73DARF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation 	<ul style="list-style-type: none"> Big Data Analytics, Cloud Virtualization needs Cloud Computing Compute Intensive Application Compute Intensive Storage Environments Data Center HPC Virtualization 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 24 DIMM slots 2x 10GBase-T Ports 600W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 700W Redundant Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRW-iF	SUPER● X9DRD-iT+	SUPER● X9DRD-7LN4F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 2 PCI-E 3.0 x16 (FH/6.6"L)	1 PCI-E 3.0 x16	1 PCI-E 3.0 x8
Onboard Storage Controller	Ready for SAS or SATA add-on card	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® X540 10GBase-T Ethernet controller	Quad LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW video controller	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SATA HDD bays	8x 2.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with iFC & PMBus	600W Platinum Level high-efficiency power supply with iFC & PMBus	700W Redundant Gold Level high-efficiency power supplies
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



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MODEL	SuperServer® SYS-1027R-73DBRF	SuperServer® SYS-1027R-73DAF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments 	<ul style="list-style-type: none"> • Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> • 700W Redundant Gold Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 560W Gold Level high-efficiency • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRD-7LN4F	SUPER● X9DRD-7LN4F
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (full-height, full-length)	1 PCI-E 3.0 x8 (full-height, full-length)
Onboard Storage Controller	LSI 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10 Intel® C602J controller for 2 SATA3 (6Gbps) ports; RAID 0, 1	LSI 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10
Connectivity	Quad LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with Intel® i350 Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap SATA/SAS HDD bays	8x 2.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies	560W Gold Level high-efficiency power supply
Cooling System	6x 4cm heavy duty counter-rotating fans with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

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MODEL	SuperServer® SYS-6017R-TDLF (Bulk*)	SuperServer® SYS-6017R-TDLRF (Bulk*)	SuperServer® SYS-6017R-TDF (Bulk*)
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 350W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective 	<ul style="list-style-type: none"> 500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN Cost Effective 	<ul style="list-style-type: none"> 480W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective
Serverboard	SUPER® X9DRD-LF	SUPER® X9DRD-LF	SUPER® X9DRD-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16 (full-height, full-length)	1 PCI-E 3.0 x16 (full-height, full-length)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" hot-swap SATA HDD bays	2x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	350W Gold Level high-efficiency power supply	500W Redundant Platinum Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply with I ² C & PMBus
Cooling System	2x blower fans with optimal fan speed control	2x blower fans with optimal fan speed control	2x blower fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

† Bulk Package options available upon request

*Data Center Optimized**Data Center Optimized**Mainstream Short-Depth*

MODEL	SuperServer® SYS-6017R-TDAF	SuperServer® SYS-6017R-TDF+ (Bulk*)	SuperServer® SYS-6017R-M7UF (Bulk*)
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 600W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 600W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 400W Gold Level high-efficiency power supply Option for BBP® (PWS-206B-1R) or 2nd power supply for redundancy IPMI 2.0 + KVM with dedicated LAN Short-Depth
Serverboard	SUPER® X9DRD-iF	SUPER® X9DRD-EF	SUPER® X9DRL-7F
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (full-height, full-length)	1 PCI-E 3.0 x8 (full-height, full-length)	1 PCI-E 3.0 x8 (full-height, full-length)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602J controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 4 SATA/SAS (6Gbps) ports; RAID 0, 1, 10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Intel® i210 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply with I ² C and PMBus	600W Gold Level high-efficiency power supply with PFC	400W Gold Level high-efficiency power supply; Option for BBP® (PWS-206B-1R) or 2nd power supply for redundancy.
Cooling System	4x 4cm heavy duty fans counter-rotating with optimal fan speed control	2x blower + 1x 4cm fans with optimal fan speed control	5x 4cm heavy duty fans counter-rotating with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Mainstream
Short-Depth**



**Mainstream
Short-Depth**



**Big Data
Cost Effective High Density
DataNode**



MODEL	SuperServer® SYS-6017R-M7RF	SuperServer® SYS-6017R-MTLF	SuperServer® SYS-6017R-73THDP+ SYS-6017R-73HDP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v2 product family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 v2 product family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to dual 8.0GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Big Data Analytics
Outstanding Features	<ul style="list-style-type: none"> 400 Redundant Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Short-Depth 	<ul style="list-style-type: none"> 480W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Short-Depth 	<ul style="list-style-type: none"> 12x 3.5" data drives in 1U 16 DIMM slots Cost optimized High-density, Enterprise Performance, Cost-effective
Serverboard	SUPER● X9DRL-7F	SUPER● X9DRL-EF	-73THDP+: SUPER● X9DRFF-7TG+ -73HDP+: SUPER● X9DRFF-7G+
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1x PCI-E 2.0 x4 (in x8, half-height) slot
Onboard Storage Controller	LSI 2208 controller for 4 SATA/SAS (6Gbps) ports; RAID 0, 1, 10	Intel® C602J controller for 2 SATA (6Gbps) ports; RAID 0, 1 2 SATA (3Gbps) ports; RAID 0, 1, 5, 10	LSI 2308 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,10; Intel® C602 AHCI controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps) RAID 0,1,5,10;
Connectivity	Intel® i210 Dual Port Gigabit Ethernet LAN	Intel® i210 Dual Port Gigabit Ethernet LAN	-73THDP+: Dual Intel® X540 10GBase-T Ethernet Controller -73HDP+: Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA/SAS HDD bays	4x 3.5" hot-swap SATA HDD bays	12x 3.5" fixed drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	400W Redundant Gold Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply	650W high-efficiency power supply w/ PMBus
Cooling System	5x 4cm heavy duty fans counter-rotating with optimal fan speed control	5x 4cm heavy duty fans counter-rotating with optimal fan speed control	4x 40x56mm PWM fan; 4x 40x28mm PWM fan
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 908mm (17.2" x 1.7" x 35.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



MODEL	SuperServer® SYS-6017B-NTF	SuperServer® SYS-6017B-URF	SuperServer® SYS-1027B-URF
Processor Support	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> HPC Cluster Computer Data Center Front-end Server 	<ul style="list-style-type: none"> HPC Cluster Computer Data Center Front-end Server 	<ul style="list-style-type: none"> HPC Cluster Computer Data Center Front-end Server
Outstanding Features	<ul style="list-style-type: none"> 384GB DDR3-1600 MHz SDRAM 12 DIMM slots 600W Gold Level power supply 	<ul style="list-style-type: none"> 384GB DDR3-1600 MHz SDRAM 12 DIMM slots 500W Redundant Platinum Level power supply 	<ul style="list-style-type: none"> 384GB DDR3-1600 MHz SDRAM 12 DIMM slots 500W Redundant Platinum Level power supply
Serverboard	SUPER® X9DBU-iF	SUPER® X9DBU-iF	SUPER® X9DBU-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 384GB of ECC 1600 SDRAM in 12 DIMM slots	Up to 384GB of ECC 1600 SDRAM in 12 DIMM slots	Up to 384GB of ECC 1600 SDRAM in 12 DIMM slots
Expansion Slots	2 PCI-E 3.0 x8 (1 FH/13.5"L, 1 FH/6.6"L)	1 UIO, 1 PCI-E 3.0 x8 (FH/13.5"L)	1 UIO, 1 PCI-E 3.0 x8 (FH/13.5"L)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1,10 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Ready for SAS or SATA add-on card	Ready for SAS or SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays (Optional SAS controller card)	8x 2.5" hot-swap SATA drive bays (optional SAS controller card)
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Gold Level high-efficiency power supply	500W Redundant Platinum Level high-efficiency power supplies	500W Redundant Platinum Level high-efficiency power supplies
Cooling System	2x 97L x 94W x 37H mm 5K rpm cooling blower	4x counter-rotating 4cm PWM fans	4x counter-rotating 4cm PWM fans
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



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MODEL	SuperServer® SYS-6017B-MTF SYS-6017B-MTLF	SuperServer® SYS-6017B-MTRF	SuperServer® SYS-1027B-MTF
Processor Support	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> 440W Platinum Level / 350W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective Short-Depth 	<ul style="list-style-type: none"> 400W Redundant Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN Cost Effective Short-Depth 	<ul style="list-style-type: none"> 600W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective Short-Depth
Serverboard	SUPER● X9DBL-iF	SUPER● X9DBL-iF	SUPER● X9DBL-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Intel® 82574L Dual Port Gigabit Ethernet LAN	Intel® 82574L Dual Port Gigabit Ethernet LAN	Intel® 82574L Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays	8x 2.5" hot-swap SATA HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	-MTF: 440W Platinum Level high-efficiency power supply with I ² C and PMBus -MTLF: 350W Gold Level high-efficiency power supply	400W Redundant Gold Level high-efficiency power supplies with I ² C and PMBus	600W Platinum Level Digital high-efficiency power supply with I ² C and PMBus
Cooling System	4x 4cm heavy duty fans counter-rotating with optimal fan speed control	4x 4cm heavy duty fans counter-rotating with optimal fan speed control	4x 4cm heavy duty fans counter-rotating with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 508mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
Embedded
**Intel® Xeon® Processor D-1508 SoC
Dual Core 4 Thread**



New!
Embedded
**Intel® Xeon® Processor D-1518
SoC, 4 Core**



New!
Embedded
**Intel® Xeon® Processor D-1587
SoC, 16 Core**



MODEL	SuperServer® SYS-5018D-LN4T	SuperServer® SYS-5018D-FN8T	SuperServer® SYS-1018D-FRN8T
Processor Support	Intel® Pentium® Processor D1508 product family	Intel® Xeon® Processor D-1518 product family, SoC 4 Core, 35W, 2.2 GHz	Intel® Xeon® 16C D-1587 product family
Key Applications	<ul style="list-style-type: none"> • Compact Network Appliance • FireWall Applications • Software Defined WAN 	<ul style="list-style-type: none"> • Networking Appliance • Network Security Appliance • FireWall Applications • Embedded Applications • Virtualization Server 	<ul style="list-style-type: none"> • Network Security Appliance • FireWall Applications • Virtualization • SD-WAN • vCPE
Outstanding Features	<ul style="list-style-type: none"> • Dual 10GbE SFP+ and Dual GbE [nid:7111] • Short depth (less than 10 depth) • Intel® Xeon® processor D-1508, Dual-Core, 25W • Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets • Up to 4 2.5" SATA3 HDD, and 1 M.2 (M key 2242/80/110 PCIe 3.0x4) 	<ul style="list-style-type: none"> • Dual SFP+ and 6x GbE • Short depth (less than 10 depth) • Low Power Intel® Xeon® Processor D SoC 4 Core • Best Performance per Watt • 7 year life cycle • IPMI 2.0 management with dedicated LAN 	<ul style="list-style-type: none"> • 8 LAN w/ 2x10G SPF+ Ports+ 6x1GbE • 128G DDR4 RAM • 400W Redundant Platinum PSU • 1x Low Profile PCI-E 3.0 x 8 and 1x M.2 PCI-E 3.0 x4, MiniPCI-E with mSATA • 4x 2.5" HDD
Serverboard	SUPER● X10SDV-2C-TP4F	SUPER● X10SDV-TP8F	SUPER● X10SDV-7TP8F
Chipset	System on Chip	System on Chip	System on Chip
System Memory (Max.)*	Up to 128GB Registered ECC, DDR4-2133MHz 64GB Unbuffered ECC/non-ECC, DDR4-2133MHz in 4 DIMM slots	Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets	Up to 128 GB of DDR4 ECC RDIMM 2133MHz or 64 GB of DDR4 ECC UDIMM 2133MHz
Expansion Slots	1 PCI-E 3.0 x8; M.2 PCIe 3.0x4, M Key 2242/2280/22110, Mini-PCIe with mSATA support	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8 ((LP, HL))
Onboard Storage Controller	SoC controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10 RSTe	SoC controller for 4x SATA3	N/A
Connectivity	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with 10G SFP+	2x USB 3.0, 1x M.2(M Key for SSD 2242/80/110, PCI-E/SATA3, 1x PCI-E /w mSATA Dual SFP+ and 6x GbE	2x 10GbE SFP+ 4 x 1GbE with I350-AM4 2x 1GbE with I210-AT 2 x USB 3.0
VGA/Audio	1 VGA, 1 Aspeed AST2400 BMC	1 VGA	1 VGA
Management	Intel® Node Manager; IPMI2.0; KVM with dedicated LAN; NMI; SUM; SuperDoctor® 5; Watchdog	IPMI2.0; KVM with dedicated LAN; Intel® Node Manager; NMI, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 (RJ45) with dedicated LAN port and KVM via BMC VGA
Drive Bays	1x 3.5" fixed drive bay or up to 4 2.5" fixed drives	1x 3.5" fix drive bay, or 4x 2.5" fixed drive bay with bracket	4x 2.5" HDD
Peripheral Bays	N/A	1x 3.5" or 4x 2.5" HDD	N/A
Power Supply	200W Low Noise Power Supply	200W Gold Level power supply	Redundant 400W Platinum Level power supplies
Cooling System	1x 4028mm 13K RPM 4-pin PWM fan	Passive CPU heat sink and 3x 40mm chassis fans	4x 40mmx56mm cooling fan, up to 13Krpm
Form Factor	Mini-IU Rackmount (less than 10" depth) 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-IU Rackmount (less than 10" depth) 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	IU Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Embedded
Best Performance per Watt,
Less than 10" Depth
UP



Mainstream
High-Connectivity with
Quad LAN



Mainstream
Reliable Performance
UP



MODEL	SuperServer® SYS-5018D-FN4T	SuperServer® SYS-5018D-MTLN4F	SuperServer® SYS-5018D-MTRF SYS-5018D-MTF
Processor Support	Intel® Xeon® Processor D-1540 product family, SoC 8 Core, 45W, 2.0-2.6GHz	Single Intel® Xeon® Processor E3-1200 v3, 4th gen. Intel® Core™ i3 Processor, Intel® Pentium® Processor, Intel® Celeron® Processor product families; Single socket H3 (LGA 1150) supported	Single Intel® Xeon® Processor E3-1200 v3, 4th gen. Intel® Core™ i3 Processor, Intel® Pentium® Processor, Intel® Celeron® Processor product families; Single socket H3 (LGA 1150) supported
Key Applications	<ul style="list-style-type: none"> Networking Appliance Edge Computing Device Security Gateway Compact Cloud Server 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> 2x Gigabit + 2x 10G LAN ports Less than 10" depth Up to 2x 3.5" or 4x 2.5" SATA3 device 1x PCI-E 3.0 x16 add-on card slot Dedicated management port M.2 Supported. PCI-E 3.0 x4 2280, 2242 	<ul style="list-style-type: none"> 350W Gold Level high-efficiency power supply 4x 3.5" SATA drives Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN Optimized for server appliance Quad Gigabit Ethernet LAN SATA 3.0 (6Gbps) support 	<ul style="list-style-type: none"> 400W Redundant high-efficiency power supply w/ optional BBP® module (-MTRF) 4x 3.5" SATA drives Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN Optimized for server appliance Dual Gigabit Ethernet LAN 4x SATA 3.0 (6Gbps) support
Serverboard	SUPER® X10SDV-8C-TLN4F	SUPER® X10SLM+-LN4F	SUPER® X10SLM-F
Chipset	Intel® Xeon® Processor D-1540, SoC	Intel® C224 chipset	Intel® C224 chipset
System Memory (Max.)*	Up to 4 DIMMs, 128 GB of 2133MHz DDR4 RDIMM or 64GB UDIMM	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots
Expansion Slots	1x PCI E 3.0 x16 add-on card slot	1 PCI-E 3.0 x16 FH expansion slot	1 PCI-E 3.0 (x8 in 16) FH expansion slot
Onboard Storage Controller	Intel® SoC-based 2x 3.5" or 4x 2.5" SATA3 bays, SATA DOM support	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	2x GbE + 2x 10G LAN ports 1x dedicated management port, 2x USB 3.0	Quad LAN with Intel® Ethernet Controller i210AT	Dual LAN with Intel® Ethernet Controller i210AT + i217LM
VGA/Audio	Integrated VGA port	AST2400 VGA Optional front bezel cover	AST2400 VGA Supports BBP® module (-MTRF) Optional front bezel cover
Management	Integrated remote management with dedicated port	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Intel® SoC-based 2x 3.5" or 4x 2.5" SATA3 fixed bays	4x 3.5" SATA3 Hot-swap Bays w/ RAID options	4x 3.5" SATA3 hot-swap bays w/ RAID options
Peripheral Bays	3.5" (default) or 2.5" (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	200W compact power supply	350W Gold Level high-efficiency power supply	-MTRF: 400W Redundant w/ optional BBP® module -MTF: 350W Gold Level high-efficiency power supply
Cooling System	CPU fan, 40mm chassis fan	4x 28mm fans standard (with option for additional fans for add-on card)	4x 28mm fans standard (with optional for additional fan for add-on card)
Form Factor	1U Rackmount (less than 10" depth) 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

**Mainstream
Cost-Effective
Compact Server Appliance
UP**

**Mainstream
Storage UP, SAS2**

**1U UP 2-GPU/Intel® Xeon Phi™
coprocessor**



MODEL	SuperServer® SYS-5018D-MF	SuperServer® SYS-1018D-73MTF	SuperServer® SYS-1017GR-TF
Processor Support	Single Intel® Xeon® Processor E3-1200 v3, 4th gen. Intel® Core™ i3 Processor, Intel® Pentium® Processor, Intel® Celeron® Processor product families; Single socket H3 (LGA 1150) supported	Single Intel® Xeon® Processor E3-1200 v3, 4th gen. Intel® Core™ i3 Processor product families; Single socket H3 (LGA 1150) supported, up to 4C/8T	Single Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Automation, Cloud and Virtualization needs, Cloud Computing, Corporate Database, Corporate- WINS, DNS, Print, Login, Data Center, Data Farm, Data Warehouse, Database Processing & Storage, Disk Backup & Recovery, Downloads e-Business, Email Server, Embedded Applications, Engineering Design, Hosting & Application delivery Industrial Automation & Control, Instrumentation, Large Database 	<ul style="list-style-type: none"> Automation, Cloud and Virtualization needs, Cloud Computing, Corporate Database, Corporate- WINS, DNS, Print, Login, Data Center, Data Farm, Data Warehouse, Database Processing & Storage, Disk Backup & Recovery, Downloads e-Business, Email Server, Embedded Applications, Engineering Design, Hosting & Application delivery Industrial Automation & Control, Instrumentation, Large Database 	<ul style="list-style-type: none"> GPU Server Mission-critical applications Enterprise server Oil & gas applications Financial, 3D rendering, chemistry applications HPC, and mdical applications
Outstanding Features	350W Gold Level high-efficiency power supply Compact size chassis Cost effective UP platform	330W Gold Level high-efficiency power supply 8x 2.5" SAS/SATA drives Compact size chassis Cost effective UP storage platform	Up to 2 GPU cards in 1U 6x 2.5" SATA drives 1400W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X10SLL-F	SUPER● X10SL7-F	SUPER● X9SRG-F
Chipset	Intel® C222 chipset	Intel® C222 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 (x8 in 16) PCI-E 3.0 Full-Height Expansion Slot	1 (x8 in 16) PCI-E 3.0 Full-Height Expansion Slot	2 PCI-E 3.0 x16 support 2 double width GPU cards 1 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	2x 3.5" fixed SATA3 w/ RAID options	LSI 2308 with 8x SAS 6Gbps; RAID 0, 1, 1E, 10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® Ethernet Controller i210AT + i217LM	Dual LAN with Intel® Ethernet Controller i210AT	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA 4x USB 2.0 DOM power connector Supports 2.5" HDD/SSD via optional bracket	AST2400 VGA DOM power connector Optional front bezel cover; LCD option	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed SATA3 w/ RAID options	8x 2.5" SAS2/SATA3 Hot-swap Bays w/ RAID option	6x 2.5" hot-swap SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	350W Gold Level high-efficiency power supply	330W Gold Level high-efficiency power supply	1400W Platinum Level Digital high-efficiency power supply with I²C & PMBus
Cooling System	2x 4cm counter-rotating PWM fan; Dual counter-rotating fans	3x 40x28mm PWM fan; 1x fans for AOC cooling	8x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 396mm (17.2" x 1.7" x 14.5")	1U Rackmount 437 x 43 x 507mm (17.2" x 1.7" x 19.98")	1U Rackmount 437 x 43 x 724mm (17.2" x 1.7" x 28.5")



1U UP 2-GPU/Xeon® Phi™

UP WIO

New!
WIO
Short Depth
3 add-on cards



MODEL	SuperServer® SYS-5017GR-TF	SuperServer® SYS-5017R-WRF	SuperServer® SYS-1017R-WR
Processor Support	Single Intel® Xeon® Processor E5-2600 v2 and Intel® Xeon® Processor E5-2600 product families with QPI up to 8GT/s	Single Intel® Xeon® processor E5-2600 v2, Intel® Xeon® processor E5-2600, Intel® Xeon® processor E5-1600 v2, and Intel® Xeon® processor E5-1600 product families with QPI up to 8GT/s	Intel® Xeon® Processor E5-2600 v2 and Intel® Xeon® Processor E5-1600 v2 product families
Key Applications	<ul style="list-style-type: none"> • GPU Server • Mission-critical applications • Enterprise server • Oil & gas applications • Financial, 3D rendering, chemistry applications • HPC, and medical applications 	<ul style="list-style-type: none"> • Connectivity/storage computer nodes • Datacenter • Data farm, • Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> • GPU Computing • Appliance server • Embedded Applications
Outstanding Features	Up to 2 GPU cards in 1U 3x 3.5" SATA drives 1400W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN	500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN	<ul style="list-style-type: none"> • Up to 3 add-on cards • Full Height, Full Length Double-Width GPU support
Serverboard	SUPER● X9SRG-F	SUPER● X9SRW-F	SUPER● X9SRW-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 support 2 double width GPU cards 1 PCI-E 3.0 x8 (low-profile)	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8 (low-profile)	2 x16 PCI-E 3.0, 1 x8 PCI-E 3.0 slot Full Height, Full Length Double-Width GPU support
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 1 SATA2 (3Gbps) ports; RAID 0,1,5	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1,10; RAID 0,1,5,10 (Windows) 2 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	4x USB 2.0 (rear), Serial 2x GbE port
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dedicated IPMI 2.0 via BMC
Drive Bays	3x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	2x 2.5" internal fixed SATA3 bays w/ RAID
Peripheral Bays	N/A	1 slim DVD ROM (optional)	N/A
Power Supply	1400W Platinum Level Digital high-efficiency power supply with I ² C & PMBus	500W Redundant Platinum Level high-efficiency power supplies with PMBus	Redundant 400W Gold Level power w/ BBP® option
Cooling System	8x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	3x 4cm heavy duty counter-rotating fans with optimal fan speed control	4x 40mm cooling fans + 2x AOC cooling fans (option)
Form Factor	1U Rackmount 437 x 43 x 716mm (17.2" x 1.7" x 28.2")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount Short-depth 437 x 43 x 429mm (17.2" x 1.7" x 16.9")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** LRDIMM only supported by E5-2600 v3



Mainstream



Mainstream



UP



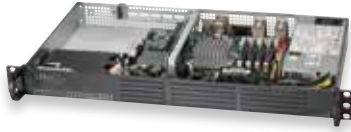
MODEL	SuperServer® SYS-1017R-MTF	SuperServer® SYS-5017R-MTF SYS-5017R-MTRF	SuperServer® SYS-5017R-MF
Processor Support	Single Intel® Xeon® processor E5-2600 v2, Intel® Xeon® processor E5-2600, Intel® Xeon® processor E5-1600 v2, and Intel® Xeon® processor E5-1600 product families with QPI up to 8GT/s	Single Intel® Xeon® processor E5-2600 v2, Intel® Xeon® processor E5-2600, and Intel® Xeon® processor E5-1600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® processor E5-2600 v2, Intel® Xeon® processor E5-2600, Intel® Xeon® processor E5-1600 v2, and Intel® Xeon® processor E5-1600 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications
Outstanding Features	330W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN	<ul style="list-style-type: none"> IPMI 2.0 + KVM with dedicated LAN -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (BBP™)) 	<ul style="list-style-type: none"> 350W Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9SRi-F	SUPER® X9SRi-F	SUPER® X9SRi-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 (Windows)	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	1x 3.5" fixed (or 2x 2.5" fixed with bracket, optional)
Peripheral Bays	1 slim DVD ROM (optional)	1 slim DVD ROM (optional)	1 slim DVD ROM (optional)
Power Supply	330W Gold Level high-efficiency power supply	<ul style="list-style-type: none"> -MTF: 350W Gold Level high-efficiency power supply; -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (PWS-206B-1R)) 	350W Gold Level high-efficiency power supply
Cooling System	3x 4cm fans with optimal fan speed control	4x 4cm fans with optimal fan speed control	2x 4cm fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 508mm (17.2" x 1.7" x 19.98")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.55")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** LRDIMM only supported by E5-2600 v3



**Embedded
Compact server appliance**



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Low Power**



**Embedded
Low Power
Front I/O**



MODEL	SuperServer® SYS-5017K-N6	SuperServer® SYS-5018A-TN4	SuperServer® SYS-5018A-FTN4
Processor Support	Intel® Pentium® B915C processor, Single socket FCBGA 1284 (15W, 1.5GHz, 3M, Gladden)	Intel® Atom™ Processor C2750	Intel® Atom™ Processor C2758
Key Applications	<ul style="list-style-type: none"> Space-efficient, compact design Fast to build and deploy Gateway, file-sharing, security 	<ul style="list-style-type: none"> Application and data serving, Automation, Cloud and Virtualization needs Corporate- WINS, DNS, Print, Login, e-Business, Embedded Applications, Hosting & Application delivery, Industrial Automation & Control, NAS Servers, Security SOHO Entry-Level Server, Web Server, Web Server for Small and Medium Business 	<ul style="list-style-type: none"> Application and data serving, Automation, Cloud and Virtualization needs Corporate- WINS, DNS, Print, Login, e-Business, Embedded Applications, Hosting & Application delivery, Industrial Automation & Control, NAS Servers, Security SOHO Entry-Level Server, Web Server, Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> Single socket FCBGA 1284; Intel® Pentium® B915C processor (15W, 1.5GHz, 3M, Gladden) Intel® Communication Chipset 8903 200W Low-noise power supply w/ PFC 	<ul style="list-style-type: none"> 1 PCI-E x8 slot 200W Low-Noise power supply 4x 2.5" SATA drives Compact size chassis, cost-effective UP platform IPMI 2.0 + KVM with dedicated LAN Optimized for small business 	<ul style="list-style-type: none"> 1 PCI-E x8 slot 200W Low-Noise power supply 4x 2.5" SATA drives Compact size chassis, cost-effective UP platform IPMI 2.0 + KVM with dedicated LAN Optimized for small business Front I/O and Support Intel® QuickAssist Acceleration Technology
Serverboard	SUPER● X9SKV-B915	SUPER● A1SAi-2750F	SUPER● A1SRi-2758F
Chipset	Intel® Communication Chipset 8903	System on Chip	System on Chip
System Memory (Max.)*	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM slots	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM slots	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM slots
Expansion Slots	1x PCI-E 2.0 x8 slot via riser	1x PCI-E 2.0 x8 slot via riser card	1x PCI-E 2.0 x8 slot via riser card
Onboard Storage Controller	SoC SATA2 (3Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps)
Connectivity	Dual port GbE LAN with 2 Intel® i210AT; Intel® i350AM4 quad port Programmable GbE LAN Bypass	Quad LAN with Marvell® Alaska® 88E1543	Quad LAN with Marvell® Alaska® 88E1543
VGA/Audio	N/A	AST2400 VGA 4x USB3.0, 2 x USB2.0	AST2400 VGA 4x USB3.0, 2 x USB2.0
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low-Noise AC-DC power supply with PFC	200W Low-Noise AC-DC power supply with PFC
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	Built-in CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	Built-in CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Embedded
Compact server appliance**



**AVOTON Solution
Best for Entry Web Hosting
Low Power**



MODEL	SuperServer® SYS-5017A-EF	SuperServer® SYS-5018A-MLTN4
Processor Support	Single Intel® Atom™ Processor S1260, SoC, 8.5W, 2C/4T	Intel® Atom™ Processor C2550
Key Applications	<ul style="list-style-type: none"> Embedded Applications 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Cloud Computing, Corporate-WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications e-Business, Enterprise Server FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance Virtualization Server Web Server, Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> Compact size chassis Cost effective UP platform SATA 3.0 (6Gbps) support Short-depth, space saving design 	<ul style="list-style-type: none"> 1 PCI-E x8 slot 2 Internal 3.5" SATA drive bays 200W low-power supply Compact size chassis Cost effective UP platform IPMI 2.0 + KVM with dedicated LAN SATA 3.0 (6Gbps) support Short-depth, space saving design
Serverboard	SUPER® X9SBAA-F	SUPER® A1SAM-2550F
Chipset	System on Chip	System on Chip chipset
System Memory (Max.)*	Up to 8GB of single SODIMM Socket ECC DDR3-1333	Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots
Expansion Slots	1x PCI 32-bit 3.3V	1 PCI-E 2.0 x8 (FH/HL)
Onboard Storage Controller	N/A	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps);
Connectivity	Dual LAN with Intel® Ethernet Controller i350-AM2	Quad LAN with SoC
VGA/Audio	Matrox G200eW 2 Fast UART 16550 Serial Port (1 via header and 1 at rear) DOM power connector support 1x VGA Port Others TPM 1.2 header 2x USB 3.0 ports (2 rear)	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI2.0; NMI; SuperDoctor V; Watchdog
Drive Bays	2x 3.5" fixed or 4x 2.5" fixed SATA3 (optional)	2x 3.5" internal drive bays 4x 2.5" fixed SATA3 (optional)
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low Noise AC-DC power supply with PFC
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	1x 10cm 3,800 RPM PWM blower fan
Form Factor	Mini-IU Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	IU rackmount 426x 43 x 356mm(16.8" x 1.7" x 14")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Mainstream
4-Core Intel® Atom™ Processor**



**8-Core
Embedded
(QuickAssist)**



MODEL	SuperServer® SYS-5018A-MLHN4	SuperServer® SYS-5018A-MHN4
Processor Support	Intel® Atom™ Processor C2550	Intel® Atom™ Processor C2758
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications • e-Business, Enterprise Server • FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance • Virtualization Server • Web Server, Web Server for Small and Medium Business 	<ul style="list-style-type: none"> • Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications • e-Business, Enterprise Server • FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance • Virtualization Server • Web Server, Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> • 1 PCI-E x8 slot • 200W low-power supply • 4 hot-swap 3.5" SATA/SAS Drive Bays • IPMI 2.0 + KVM with dedicated LAN • Optimized for Power Saving and Improved Cooling • SATA 3.0 (6Gbps) support 	<ul style="list-style-type: none"> • 1 PCI-E x8 slot • 200W low-power supply • 4 hot-swap 3.5" SATA/SAS Drive Bays • IPMI 2.0 + KVM with dedicated LAN • Optimized for Power Saving and Improved Cooling • SATA 3.0 (6Gbps) support
Serverboard	SUPER® A1SAM-2550F	SUPER® A1SRM-2758F
Chipset	System on Chip chipset	System on Chip chipset
System Memory (Max.)*	Up to 64GB ECC/non-ECC UDIMM, DDR3-1600MHz in 4 DIMM slots	Up to 64GB ECC/non-ECC UDIMM, DDR3-1600MHz in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8 (FH/HL)	1 PCI-E 2.0 x8 (FH/HL)
Onboard Storage Controller	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps);
Connectivity	Quad LAN with SoC	Quad LAN with Intel® C2000 SoC;
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI2.0; NMI; SuperDoctor V; Watchdog	IPMI2.0; NMI; SuperDoctor V; Watchdog
Drive Bays	4x 3.5" hot-swap SAS/SATA	4x 3.5" hot-swap SAS/SATA
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low Noise AC-DC power supply with PFC
Cooling System	2x 4cm high performance PWM fan	2x 4cm high performance PWM fan
Form Factor	1U rackmount 437 x 43 x 503mm (17.2 " x 1.7" x 19.85")	1U rackmount 437 x 43 x 503mm (17.2 " x 1.7" x 19.85")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
Best Cost-Efficient
Cold Storage

New!
High-Density
Cold Storage

New!
High-Density
Warm Storage



MODEL	SuperServer® SSG-5018D2-AR12L	SuperServer® SSG-5018D4-AR12L	SuperServer® SSG-5018D8-AR12L
Processor Support	Intel® Pentium® D 1508 Processor, SoC, 2 Core, 4 Thread 2.2 GHz (2.6 GHz Turbo), 25W	Intel® Xeon® Processor D 1518 Processor, SoC, 4 Core, 8 Thread 2.2 GHz (2.2 GHz Turbo), 35W	Intel® Xeon® Processor D 1537 Processor, SoC, 8 Core, 16 Thread 1.7 GHz (2.3 GHz Turbo), 35W
Key Applications	<ul style="list-style-type: none"> Cold Storage Data Warehousing, Archiving Long Tail, Medical Records, Compliance Docs Low Power Efficiency Appliance 	<ul style="list-style-type: none"> Cold Storage Archiving, Mail/Finance, Security Scale-Out Density, VOD Delivery Low Power Efficiency Appliance 	<ul style="list-style-type: none"> Warm Storage CDN, Business Hosting OLTP/DB Low Power Efficiency Appliance
Outstanding Features	<ul style="list-style-type: none"> 12x Hot-Swap 3.5" SAS2/SATA3 bays (6 Gb/s) Option 4x 2.5" internal HDD drives Up to 128GB DDR4 2133MHz RDIMM or 64GB UDIMM 2-Port 1G Base-T and 2-port 10G SFP+ Network Port M.2 2242, 2280, 22110 PCI-E 3.0 x4 with M-key IPMI 2.0 (dedicated LAN) with Virtual Media/KVM over LAN 	<ul style="list-style-type: none"> 12x Hot-Swap 3.5" SAS2/SATA3 bays (6 Gb/s) Option 4x 2.5" internal HDD drives Up to 128GB DDR4 2133MHz RDIMM or 64GB UDIMM 2-Port 1G Base-T and 2-port 10G SFP+ Network Port M.2 2242, 2280, 22110 PCI-E 3.0 x4 with M-key IPMI 2.0 (dedicated LAN) with Virtual Media/KVM over LAN 	<ul style="list-style-type: none"> 12x Hot-Swap 3.5" SAS2/SATA3 bays (6 Gb/s) Option 4x 2.5" internal HDD drives Up to 128GB DDR4 2133MHz RDIMM or 64GB UDIMM 2-Port 1G Base-T and 2-port 10G SFP+ Network Port M.2 2242, 2280, 22110 PCI-E 3.0 x4 with M-key IPMI 2.0 (dedicated LAN) with Virtual Media/KVM over LAN
Serverboard	SUPER● X10SDV-2C-7TP4F	SUPER● X10SDV-4C-7TP4F	SUPER● X10SDV-7TP4F
Chipset	Intel® Pentium® D 1508 SoC Processor	Intel® Xeon® Processor D 1518 SoC Processor	Intel® Pentium® D 1537 SoC Processor
System Memory (Max.)*	Up to 128GB DDR4 2133 MHz RDIMM or 64GB UDIMM	Up to 128GB DDR4 2133 MHz RDIMM or 64GB UDIMM	Up to 128GB DDR4 2133 MHz RDIMM or 64GB UDIMM
Expansion Slots	1 PCI-E 3.0 x8 full height	1 PCI-E 3.0 x8 full height	1 PCI-E 3.0 x8 full height
Onboard Storage Controller	LSI 2116 (IT mode)	LSI 2116 (IT mode)	LSI 2116 (IT mode)
Connectivity	2x USB 3.0, 5x USB 2.0 port, VGA	2x USB 3.0, 5x USB 2.0 port, VGA	2x USB 3.0, 5x USB 2.0 port, VGA
VGA/Audio	Built-in VGA from Aspeed BMC	Built-in VGA from Aspeed BMC	Built-in VGA from Aspeed BMC
Management	IPMI 2.0 w/ dedicated LAN port & KVM; 4 Pin PWM Fan Speed control; TPM option; Thermal and voltage monitoring	IPMI 2.0 w/ dedicated LAN port & KVM; 4 Pin PWM Fan Speed control; TPM option; Thermal and voltage monitoring	IPMI 2.0 w/ dedicated LAN port & KVM; 4 Pin PWM Fan Speed control; TPM option; Thermal and voltage monitoring
Drive Bays	12x Hot-Swap 3.5" SAS2/SATA3 drive bays (6 Gb/s), Option 4x 2.5" internal HDD drives	12x Hot-Swap 3.5" SAS2/SATA3 drive bays (6 Gb/s), Option 4x 2.5" internal HDD drives	12x Hot-Swap 3.5" SAS2/SATA3 drive bays (6 Gb/s), Option 4x 2.5" internal HDD drives
Peripheral	N/A	N/A	N/A
Power Supply	400W Redundant Gold Level power supplies	400W Redundant Gold Level power supplies	400W Redundant Gold Level power supplies
Cooling System	5x 4cm middle fan	5x 4cm middle fan	5x 4cm middle fan
Form Factor	1U rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")	1U rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")	1U rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Cold Storage



**Big Data
Cost-Effective High-Density DataNode**



MODEL	SuperServer® SSG-5018A-A(R/S)12L	SuperServer® SSG-5017R-iHDP
Processor Support	Intel® Atom™ Processor C2750	Single 2nd & 3rd Gen. Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor, Intel® Xeon® processor E3-1200, and Intel® Xeon® processor E3-1200 v2 procest families in LGA 1155 socket
Key Applications	<ul style="list-style-type: none"> Storage Nodes 	<ul style="list-style-type: none"> Big Data Analytics Unstructured Data Storage
Outstanding Features	<ul style="list-style-type: none"> Hardware Drive Power Control 1 PCI-E 2.0 x4 (in x8 slot) 12x 3.5" data drives in 1U Cost optimized RAID: IT Mode only SATADOM for OS drive 	<ul style="list-style-type: none"> 12x 3.5" data drives in 1U Cost optimized High-density, Enterprise Performance, Cost-effective 650W Platinum Level high-efficiency power supply
Serverboard	SUPER● A1SA7-2750F	SUPER● X9SCFF-F
Chipset	System on Chip chipset	Intel® C204 PCH chipset
System Memory (Max.)*	Up to 64GB ECC/non-ECC UDIMM, DDR3-1600MHz in 4 DIMM slots,x8 data width	Up to 32GB Unbuffered ECC; in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x4 (LP, HL, in x8 slot)	1 PCI-E 3.0 x8 (LP)
Onboard Storage Controller	IT Mode	Intel® C204 AHCI controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps) for RAID 0,1,5,10
Connectivity	Dual LAN with SoC	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	BMC integrated Matrox G200
Management	IPMI2.0; NMI; SuperDoctor® 5; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	12x 3.5" drive bay	12x 3.5" drive bay
Peripheral	N/A	N/A
Power Supply	400W Redundant Gold Level high-efficiency power supplies	650W Platinum Level high-efficiency power supply
Cooling System	6x 40x28mm PWM fan;	4x 40x56mm PWM fan; 4x 40x28mm PWM fan
Form Factor	1U Rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")	1U Rackmount 437 x 43 x 908mm (17.2" x 1.7" x 35.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



*Embedded Compact server or
standalone appliance
with Mini PCI-E UP*



Mainstream



MODEL	SuperServer® SYS-5017A-EP	SuperServer® SYS-1017C-TF
Processor Support	Single Intel® Atom™ N2800 processor support, 2 Core, NM10 bridge	Single Intel® Xeon® processor E3-1200, Intel® Xeon® processor E3-1200 v2, Intel® Core™ i3 Processor, Intel® Pentium® Processor & Intel® Celeron® Processor product families in LGA 1155 socket
Key Applications	<ul style="list-style-type: none"> • Embedded Applications • Hosting & Application delivery • Industrial Automation & Control 	<ul style="list-style-type: none"> • Cloud and other virtualization needs • Hosting & application delivery • Database processing & storage, simulation • Automation
Outstanding Features	<ul style="list-style-type: none"> • Compact size chassis • Cost effective UP platform • SATA 2.0 support • Short-depth, space saving design 	<ul style="list-style-type: none"> • Higher I/O performance & low-TCO mainstream server • Four 2.5" SATA drive bays • 1 PCI-E x8 slot • IPMI 2.0 + KVM with dedicated LAN • 330W Gold Level high-efficiency power supply
Serverboard	SUPER® X9SCAA	SUPER® X9SCL-F
Chipset	Intel® NM10 Express chipset	Intel® C202 PCH chipset
System Memory (Max.)*	Up to 4GB of Non-ECC DDR-1066 in 2 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots
Expansion Slots	1x 32-bit PCI slot (5.0V) 1x Mini-PCI-E with mSATA	1 PCI-E 2.0 x8
Onboard Storage Controller	Intel® NM10 Express controller for 2 SATA2 (3Gbps) ports	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)
Connectivity	Dual LAN with Intel® 82574L Ethernet Controller	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers
VGA/Audio	Integrated Intel® GMA 3650 7.1 HD Audio	Nuvoton Graphics
Management	SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed SATA2 HDDs; 2x 2.5" HDDs (optional)	4x 2.5" hot-swap SATA drive bays
Peripheral	N/A	1 slim DVD-ROM drive (optional)
Power Supply	200W Low Noise AC-DC power supply with PFC	330W Gold Level high-efficiency power supply
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	3x 4cm heavy duty fans with optimal fan speed control
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U Rackmount 426 x 43 x 558mm (16.8" x 1.7" x 21.95")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



UP



UP

UP
6Gbps SATA3

MODEL	SuperServer® SYS-5017C-LF	SuperServer® SYS-5017C-MF	SuperServer® SYS-5017C-TF
Processor Support	Single Intel® Xeon® processor E3-1200, Intel® Xeon® processor E3-1200 v2, Intel® Core™ i3 Processor, Intel® Pentium® Processor & Intel® Celeron® Processor product families in LGA 1155 socket, (Max. TDP ≤ 45W)	Single Intel® Xeon® processor E3-1200, Intel® Xeon® processor E3-1200 v2, Intel® Core™ i3 Processor, Intel® Pentium® Processor & Intel® Celeron® Processor product families in LGA 1155 socket	Single Intel® Xeon® processor E3-1200, Intel® Xeon® processor E3-1200 v2, Intel® Core™ i3 Processor, Intel® Pentium® Processor & Intel® Celeron® Processor product families in LGA 1155 socket
Key Applications	<ul style="list-style-type: none"> • File server • E-mail server • Web server for small business and other server applications 	<ul style="list-style-type: none"> • Client nodes • Firewalls, web, email, file servers • Clustering, NAS storage, and other space constrained applications 	<ul style="list-style-type: none"> • File server • E-mail server • Web server for small business and other server applications
Outstanding Features	<ul style="list-style-type: none"> • Optimized for server appliance • 1 PCI-E x8 • IPMI 2.0 + KVM with dedicated LAN • Cost effective UP platform • 200W low-power supply 	<ul style="list-style-type: none"> • Compact size chassis • Optimized for server appliance • 350W Gold Level high-efficiency power supply • Cost effective UP platform 	<ul style="list-style-type: none"> • Optimized for server appliance • SATA3 6Gbps support • 350W Gold Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9SCL-F	SUPER® X9SCL-F	SUPER® X9SCM-F
Chipset	Intel® C202 PCH chipset	Intel® C202 PCH chipset	Intel® C204 PCH chipset
System Memory (Max.)*	32GB UDIMM* ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8
Onboard Storage Controller	Intel® 2 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	Intel® 2 SATA (3Gbps) RAID 0,1,5 (Windows) Optional RAID 0,1,10 (Linux)	2 SATA3 (6Gbps) 4 SATA2 (3Gbps) RAID 0,1 (Windows) RAID 0,1 (Linux)
Connectivity	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers
VGA/Audio	Nuvoton Graphics	Nuvoton Graphics	Nuvoton Graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Optional 1x 3.5" SATA2 or 2x 2.5" SATA2 drive bays	Optional 2x 3.5" or 2.5" internal drive bay	2x 3.5" hot-swap SATA 3/2 drive bays
Peripheral Bays	N/A	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive
Power Supply	200W low power supply	350W Gold Level high-efficiency power supply	350W Gold Level high-efficiency power supply
Cooling System	2x 4cm counter-rotating fans with optimal fan speed control	2x 4cm counter-rotating fans with optimal fan speed control	2 x 10cm high performance PWM blower fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 287mm (17.2" x 1.7" x 11.3")	Mini-1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.5")	1U Rackmount 426 x 43 x 574mm (16.8" x 1.7" x 22.6")



UP

UP



MODEL	SuperServer® SYS-5017C-MTF SYS-5017C-MTRF	SuperServer® SYS-5017C-URF	SuperServer® SYS-5017P-TLN4F SYS-5017P-TF
Processor Support	Single Intel® Xeon® processor E3-1200, Intel® Xeon® processor E3-1200 v2, Intel® Core™ i3 Processor, Intel® Pentium® Processor & Intel® Celeron® Processor product families in LGA 1155 socket	Single Intel® Xeon® processor E3-1200, Intel® Xeon® processor E3-1200 v2, Intel® Core™ i3 Processor, Intel® Pentium® Processor & Intel® Celeron® Processor product families in LGA 1155 socket	Single embedded 3rd Gen. Intel® Core™ i7-3612QE Mobile ECC processor (up to 3.1GHz, 6M Cache) and Intel® Core™ i5-3610ME processor (2.7GHz)
Key Applications	<ul style="list-style-type: none"> File server E-mail server Web server for small business and other server applications 	<ul style="list-style-type: none"> Gateway, provisioning servers Simulation and modeling Application and data serving High-performance computing 	<ul style="list-style-type: none"> Client nodes, firewalls, web, email, file servers, clustering, NAS storage, and other space constrained applications
Outstanding Features	<ul style="list-style-type: none"> Optimized for small business IPMI 2.0 + KVM with dedicated LAN Cost effective UP platform -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (BBP™)) 	<ul style="list-style-type: none"> Optimized for small business IPMI 2.0 + KVM with dedicated LAN Cost effective UP platform 500W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Compact size chassis Optimized for server appliance Cost effective UP platform
Serverboard	SUPER® X9SCL-F	SUPER® X9SPU-F	-TLN4F: SUPER® X9SPV-LN4F-3QE -TF: SUPER® X9SPV-3610ME
Chipset	Intel® C202 PCH chipset	Intel® C216 Express PCH chipset	Intel® QM77 Chipset
System Memory (Max.)*	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	16GB UDIMM ECC Unb. DDR3 1333/1066/800 MHz So-DIMM in 2 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8	1 PCI-E 3.0 x16, 2 PCI-E 2.0 x4 (in x8 slot); UIO	1x PCI-E 3.0 x16 slot
Onboard Storage Controller	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	4x SATA2 3Gbps w/ RAID 0, 1, 5, 10; 2x SATA3 6Gbps w/ RAID 0, 1
Connectivity	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L Gigabit Ethernet controller	Quad/Dual LAN with Intel® 82574L Gigabit Ethernet controllers 4x/2x Gigabit LAN ports
VGA/Audio	Nuvoton Graphics	Nuvoton Graphics	Intel® HD 4000 Graphics ALC 889HD Audio
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	2x 3.5" or 4x 2.5" internal SATA2 drive bays (optional)
Peripheral Bays	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive	N/A
Power Supply	-MTF: 350W Gold Level high-efficiency power supply; -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (PWS-206B-1R))	500W Redundant Platinum Level high-efficiency power supplies	200W Low-noise power supply w/ PFC
Cooling System	4 x 4cm heavy duty with air shroud with optimal fan speed control	4 x 4cm heavy duty with air shroud with optimal fan speed control	1x 4cm cooling fan (optional)
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")



**2U GPU/Intel® Xeon Phi™
coprocessor**
Xeon Phi™/Tesla® Kepler Ready!



2U WIO
16 DIMMs, 6 PCI-E 3.0 x8



2U DCO
16 DIMMs, up to 4 AOCs
4 NVMe



MODEL	SuperServer® SYS-2028GR-TR(T) SYS-2028GR-TRH(T)	SuperServer® SYS-6028R-WTR SYS-6028R-WTRT	SuperServer® SYS-6028R-TDWNR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Database Processing & Storage • Hosting & Application delivery • HPC cluster computer nodes • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • Up to 6 PCI-E 3.0 x16 slots support 6 double-width GPU cards • 10x 2.5" SAS/SATA drive bays • 16 DIMM slots • GPU health monitoring with fan speed control • High-density, Enterprise Performance, Cost-effective 	<ul style="list-style-type: none"> • 2 SATA DOM support with built-in power • Redundant 740W Platinum Level high-efficiency power supplies • Supports 16 DIMM DDR4-2133MHz • Up to 6 add-on cards 	<ul style="list-style-type: none"> • Redundant 920W Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with Dedicated LAN • Supports 16 DIMM DDR4-2133MHz • Up to 4 add-on cards • NVMe Support
Serverboard	-TR/TRH: SUPER● X10DRG-H -TRT/TRHT: SUPER● X10DRG-HT	-WTR: SUPER● X10DRW-i -WTRT: SUPER● X10DRW-iT	SUPER● X10DDW-iN
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	-TR(T): 4x PCI-E 3.0 x16 slots (GPU/ XeonPhi™ opt.); 1 x PCI-E 3.0 x8 (in x16) low profile slot; -TRH(T): 6x PCI-E 3.0 x16 slots (GPU/ XeonPhi™ opt.); 1x PCI-E 3.0 x8 (in x16) low profile slot	6 PCI-E 3.0 x8 (2 FHFL, 2 FHHL, 2LP)	3 PCI-E 3.0 x8 (FH/FL) & 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	-TR/TRH: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT/TRHT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Dual LAN with Intel® i350 Gigabit Ethernet Controllers
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 x 2.5" hot-swap SAS/SATA drive bay	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" SATA + 4x 2.5" NVMe drive bay
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)	N/A
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies	Redundant 740W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	5x 8cm heavy duty fans with optimal fan speed control	3x 8cm (7000 RPM) hot-swap PWM cooling fan	3x 80x80x38mm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 787mm (17.2" x 3.5" x 31")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Mainstream
2U SAS3/SATA3
Quad LAN, 24 DIMMs, 10GBase-T



Mainstream
8x SAS3 (12Gbps) and
8x SATA3 (6Gbps)



2U Remote Workstation



MODEL	SuperServer® SYS-2028R-C1R4+ SYS-2028R-C1RT4+	SuperServer® SYS-2028R-C1R SYS-2028R-C1RT	SuperServer® SYS-6028UX-TR4
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Application and data serving Compute Intensive Application Database Processing & Storage High Availability Storage Appliance Platform Hosting & Application delivery 	<ul style="list-style-type: none"> Application and data serving Business Critical Applications Compute Intensive Application Database Processing & Storage DataCenter Applications Mission-critical applications Simulation & Automation 	<ul style="list-style-type: none"> Remote Workstation Financial Market
Outstanding Features	<ul style="list-style-type: none"> 8x 2.5" SAS/8x 2.5" SATA drive bays 24 DIMM slots Redundant 920W Platinum Level high-efficiency LSI 3108 controller for 8 SAS3 (12Gbps) hot-swappable 2.5" drives Up to 6 add-on cards 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> 8x SAS3 (12Gbps) and 8x SATA3 (6Gbps) 2.5" drives 2 SATA DOM support with embedded power 16 DIMM slots Redundant 920W Platinum Level high-efficiency Supports up to 7 expansion cards 	<ul style="list-style-type: none"> Up to 4 double width GPU cards Up to 12 hot-swap 3.5" HDD Optional SAS3 and NVMe support Flexible LAN port options
Serverboard	-C1R4+: SUPER® X10DRC-LN4+ -C1RT4+: SUPER® X10DRC-T4+	-C1R: SUPER® X10DRH-C -C1RT: SUPER® X10DRH-CT	SUPER® X10DRU-X
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) low profile add on cards	1 PCI-E 3.0 x16; 6 PCI-E 3.0 x8 low profile add on cards.	3 PCI-E 3.0 x16 (FH, 10.5" length) 3 PCI-E 3.0 x8; (1x in x16 slot FH, 10.5" length, 1 low profile, 1 internal low profile)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; Optional 12 SAS3 drive support; Optional 4 NVMe drive support via 2x AOC-2UR8N4-I2XT
Connectivity	-C1R4+: Quad LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT4+: Quad 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-C1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	4 Gigabit Ethernet; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" 12Gbps SAS3 and 8x 2.5" 6Gbps SATA3 (Total 16 hot-swap drives)	8x 2.5" SAS3 (12Gbps) and 8x 2.5" 6Gbps SATA3 (Total 16 hot-swap drives)	12x hot-swap 3.5" drives bays
Peripheral Bays	USB Support: Rear: 2x 3.0 + 2x 2.0; Front: 2x 2.0, 1x Type A, optional 1x 5.25" DVD-ROM drive; support either 1x slim or 1x 5.25" DVD drive	USB Support: Rear: 2x3.0 + 2x2.0, Front: 2x2.0, and 1x Type A; optional DVD-ROM drive; support either 1x slim or 1x 5.25" DVD drive	N/A
Power Supply	Redundant 920W Platinum Level high- efficiency power supplies with I ² C & PMBus	Redundant 920W Platinum Level (94%) high efficiency power supplies	Redundant 1000W Titanium Level Digital high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans	3x 8cm high-performance PWM fans	4 heavy duty fans w/ Optimal Fan Speed Control; 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Cost-Optimized
DDR4 16x DIMMs,
2x LAN Ports, 6x Add-on Cards



Mainstream
2U 8-bay Hot-swap
3.5" HDDs w/ 16 DIMMs



MODEL	SuperServer® SYS-6028R-T SYS-6028R-TT	SuperServer® SYS-6028R-TR SYS-6028R-TRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 650W Gold Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN • 6x 3.5" hot-swap drive bays • 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> • 16 DIMM slots • Redundant 740W Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • 8x 3.5" hot-swap SATA3 drive bays • 2 SATA DOM support with built-in power
Serverboard	-T: SUPER® X10DRi -TT: SUPER® X10DRi-T	-TR: SUPER® X10DRi -TRT: SUPER® X10DRi-T
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 (LP) 3 PCI-E 3.0 x8 (LP)	3 PCI-E 3.0 x16 (LP) 3 PCI-E 3.0 x8 (LP)
Onboard Storage Controller	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-T: Dual LAN with Intel® i350 Gigabit Ethernet controller; or -TT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller; -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap drive bays	8x 3.5" hot-swap SATA3 drive bays
Peripheral Bays	1 slim DVD/DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	650W high-efficiency power supply	Redundant 740W Platinum Level high-efficiency power supplies with I°C & PMBus
Cooling System	4x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.6")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Multi I/O
Maximum I/O Solutions
11 PCI-E Slots



New!
24-Bay 2U Storage
High Availability Storage Platform



MODEL	SuperServer® SYS-2028R-TXR	SSG-2028R-DE2CR24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Redundant dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Surveillance DVR Networking Telephony Industrial Server Solutions Head-node controller Flash Array Server 	<ul style="list-style-type: none"> High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM support DDR4-2400MHz 10x PCI-E 3.0 x8, 1x PCI-E 2.0 x4 (in x8) 16x Hot-swap 2.5" HDD Bays (default 8x HDD Bays) and 1x 5.25" Drive Bays 2 SATA DOMs Support with Embedded Power Support 1 Slim DVD-ROM and 1 COM & 2 USB3.0 ports module 145W CPU support 	<ul style="list-style-type: none"> Redundant DP SBB supporting shared 24x 2.5" SAS HDD Intel® X540 Dual port 10GBase-T Dual JBOD Expansion Ports per node NV-DIMM support Up to 3 add-on cards per node Redundant 1200W Titanium Level redundant power supplies
Serverboard	SUPER® X10DRX	Redundant SUPER® X10DRS-2U
Chipset	Intel® C612 Chipset	Redundant Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Redundant up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	10 Low Profile PCI-E 3.0 x8 1 Low Profile PCI-E 2.0 x4 (in x8 slot)	Redundant 3 PCI-E 3.0 x8 Low profile expansion slots per controller
Onboard Storage Controller	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Redundant LSI 3008 SAS controller
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller;	Redundant dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node 100M private Ethernet between controller nodes
VGA/Audio	AST2400 VGA	Redundant AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Redundant IPMI 2.0 + KVM with dedicated LAN
Drive Bays	16x 2.5" hot-swap SATA3 drive bays (8x SATA3 ports by default)	Shared 24x 2.5" hot-swap SAS drive bay with SES2
Peripheral Bays	1x slim DVD-ROM drive bay 1x USB + COM port tray 1x standard 5.25" drive bay	N/A
Power Supply	Redundant 1000W Titanium Level (96%) power supplies	Redundant 1200W Titanium Level high-efficiency power supplies with iPC and PMBus
Cooling System	5x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	Redundant 4x 4cm PWM cooling fans per node
Form Factor	2U Rackmount 437 x 89 x 650mm (17.2" x 3.5" x 25.6")	2U Rackmount 437 x 89 x 622mm (17.2" x 3.5" x 24.5")



New!
Dual-Port 40 NVMe
Super SBB Storage



New!
Dual-Port 20 NVMe
Super SBB Storage



MODEL	SSG-2028R-DN2R40L	SSG-2028R-DN2R20L
Processor Support	Dual set of Redundant dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual set of Redundant dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Corporate Database Lustre HPC Virtualization 	<ul style="list-style-type: none"> Corporate Database Lustre HPC Virtualization
Outstanding Features	<ul style="list-style-type: none"> Dual-port 40 NVMe Support SIOM Card for Multiple IO Option 2000W High Efficiency (96%) Titanium Level Redundant Power Supplies 	<ul style="list-style-type: none"> Dual-port 20 NVMe Support SIOM Card for Multiple IO Option 2000W High Efficiency (96%) Titanium Level Redundant Power Supplies
Serverboard	Dual set of SUPERMICRO® X10DSN-TS	Dual set of SUPERMICRO® X10DSN-TS
Chipset	Dual set of Intel® C612 chipset	Dual set of Intel® C612 chipset
System Memory (Max.)*	Dual set of 1TB Registered ECC. DDR4-2133MHz in 16 DIMM slots	Dual set of 1TB Registered ECC. DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Dual set of 1 PCI-E 3.0 x16 (HHHL), 1 PCI-E 3.0 x8 (HHHL), 1 SIOM	Dual set of 1 PCI-E 3.0 x16 (HHHL), 1 PCI-E 3.0 x8 (HHHL), 1 SIOM
Onboard Storage Controller	Dual set of Intel® C612 controller for 2 SATA3 (6 Gbps) ports	Dual set of Intel® C612 controller for 2 SATA3 (6 Gbps) ports
Connectivity	Dual set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Dual set of 1 VGA by Aspeed AST2400 BMC	Dual set of 1 VGA by Aspeed AST2400 BMC
Management	Dual set of Intel® Node Manager; IPMI 2.0; KVM with dedicated LAN; NMI	Dual set of Intel® Node Manager; IPMI 2.0; KVM with dedicated LAN; NMI
Drive Bays	40x 2.5" hot-swap NVMe drive bays	20x 2.5" NVMe drive bays
Peripheral Bays	N/A	N/A
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies	Redundant 2000W Titanium Level high-efficiency power supplies
Cooling System	5x 8cm high-performance PWM fans	5x 8cm high-performance PWM fans
Form Factor	2U Rackmount 437 x 89 x 846mm (17.2" x 3.5" x 33.3")	2U Rackmount 437 x 89 x 650mm (17.2" x 3.5" x 25.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
2U Simply Double Storage
48 Bay NVMe Drive

New!
2U Simply Double Storage
48 Bay SAS3
Storage Expandable



MODEL	SSG-2028R-NR48N	SSG-2028R-E1CR48N SSG-2028R-E1CR48L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • 48x 2.5" NVMe Drive in 2U Form Factor • Supports dual 145W CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 1600W Titanium Level high-efficiency power supplies 	<ul style="list-style-type: none"> • 48x 2.5" Drive in 2U Form Factor • -E1CR48N: LSI 3108 SAS3 HW RAID controller; • -E1CR48L: LSI 3008 SAS3 HBA controller • Supports dual 145W CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 1600W Titanium Level high-efficiency power supplies
Serverboard	SUPERMICR X10DSC+	SUPERMICR X10DSC+
Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8 Slot 3 occupied by NVMe AOC	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8
Onboard Storage Controller	Onboard NVMe controller	-E1CR48N: LSI 3108 SAS3 HW RAID controller; -E1CR48L: LSI 3008 SAS3 HBA controller
Connectivity	SIOM card for multiple IO option.	SIOM card for multiple IO option.
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	48x 2.5" hot-swap NVMe drive bays	48x 2.5" hot-swap SAS3/SATA3 drive bays; Optional 4x NVMe hybrid drive bay support (44x 2.5" +4x NVMe)
Peripheral Bays	2x 2.5" rear hot-swap drive bays	Optional 2x 2.5" rear drive tray to support quad rear 2.5" drives
Power Supply	1600W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus	1600W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	5x 8cm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 767mm (17.2" x 3.5" x 30.2"); With Cable Management Arm installed: 35.2" (895mm)	2U Rackmount 437 x 89 x 767mm (17.2" x 3.5" x 30.2"); With Cable Management Arm installed: 35.2" (895mm)

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
2U Simply Double Storage
24 Bay SAS3 w/ HW RAID
Storage Expandable



New!
2U Simply Double Storage
24 Bay SAS3 w/ IT Mode
Storage Expandable



MODEL	SSG-6028R-E1CR24N	SSG-6028R-E1CR24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • 24x 3.5" Drive in 2U Form Factor • LSI 3108 SAS3 HW RAID controller • Supports dual 145W CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 1600W Titanium Level high-efficiency power supplies 	<ul style="list-style-type: none"> • 24x 3.5" Drive in 2U Form Factor • LSI 3008 SAS3 HBA controller • Supports dual 145W CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 1600W Titanium Level high-efficiency power supplies
Serverboard	SUPERMICRO X10DSC+	SUPERMICRO X10DSC+
Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8
Onboard Storage Controller	LSI 3108 SAS3 HW RAID controller	LSI 3008 SAS3 HBA controller
Connectivity	SIOM card for multiple IO option	SIOM card for multiple IO option
VGA/Audio	1 VGA, 1 Aspeed AST2400 BMC	1 VGA, 1 Aspeed AST2400 BMC
Management	Intel® Node Manager, IPMI2.0, NMI, SPM, SUM, SuperDoctor® 5, Watchdog	Intel® Node Manager, IPMI2.0, NMI, SPM, SUM, SuperDoctor® 5, Watchdog
Drive Bays	24x 3.5" hot-swap drive bay; Optional 4x NVMe hybrid drive bay support (20x 3.5" +4x NVMe)	24x 3.5" hot-swap drive bay; Optional 4x NVMe hybrid drive bay support (20x 3.5" +4x NVMe)
Peripheral Bays	Optional 2x 2.5" rear drive bay to support quad rear 2.5" drives	Optional 2x 2.5" rear drive bay to support quad rear 2.5" drives
Power Supply	1600W Redundant Titanium Level high-efficiency power supplies with iC & PMBus	1600W Redundant Titanium Level high-efficiency power supplies with iC & PMBus
Cooling System	5x 8cm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 863.6mm (17.2" x 3.5" x 34"); With Cable Management Arm installed: 41" (1041.4mm)	2U Rackmount 437 x 89 x 863.6mm (17.2" x 3.5" x 34"); With Cable Management Arm installed: 41" (1041.4mm)

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!

2U Storage
X10 SAS3 HW RAID controller
Storage Expandable

2U Storage
X10 SAS3 HW RAID controller
Storage Expandable

2U Storage
Storage Expandable



MODEL	SSG-6028R-E1CR12T	SSG-6028R-E1CR12N	SSG-6028R-E1CR12H SSG-6028R-E1CR12L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • Onboard LSI 3108 SAS3 HW RAID controller • 12x 3.5" hot-swap SAS3/SATA3 drive bays • Supports dual 145W CPU • Supports 16 DIMM DDR4 up to 2133MHz • Dual 10G BaseT • Redundant 920W Platinum Level (94%+) Power Supplies 	<ul style="list-style-type: none"> • LSI 3108 SAS3 HW RAID controller • 2x 3.5" SAS3/SATA3 drive bays • 145W CPU support • 24 DIMM slots • 4x 10G BaseT • Dual JBOD Expansion Ports • Redundant 920W Platinum Level high efficiency power supplies 	<ul style="list-style-type: none"> • -E1CR12H: LSI 3108 SAS3 HW RAID controller • -E1CR12L: LSI 3008 SAS3 HBA controller • 12x 3.5" SAS3/SATA3 drive bays • 145W CPU support • 16 DIMM slots • Dual 10G BaseT • Dual JBOD Expansion Ports • Redundant 920W Platinum Level high efficiency power supplies
Serverboard	SUPER® X10DRH-CT	SUPER® X10DRi-T4+	SUPER® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port
Onboard Storage Controller	LSI 3108 SAS3 onboard controller card	LSI 3108 SAS3 HW RAID controller card	-E1CR12H: LSI 3108 SAS3 HW RAID controller -E1CR12L: LSI 3008 SAS3 HBA controller
Connectivity	Dual 10GBase-T with Intel® X540 10GbE Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12x 3.5" hot-swap SAS3/SATA3 drive bay; Optional 4x NVMe hybrid drive bay support (8x 3.5" + 4x NVMe)	12x 3.5" hot-swap SAS3/SATA3 drive bay; optional 2x 2.5" internal fixed drive bay	12x 3.5" hot-swap SAS3/SATA3 drive bay; Optional 4x NVMe hybrid drive bay support (8x 3.5" + 4x NVMe) ; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	2x 2.5" optional rear hot-swap drive bay	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U Storage
3x LSI 3108 HW controller
Low Latency



2U Storage
3x LSI 3008 IT Mode controller
Low Latency



New!
2U Storage
16x 3.5" SAS3
w/ HW RAID controller,
Storage Expandable



MODEL	SuperStorage SSG-2028R-ACR24H	SuperStorage SSG-2028R-ACR24L	SSG-6028R-E1CR16T
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> High Performance NAS Servers Web Cache Corporate Database Database Processing & Storage HPC Large Database 	<ul style="list-style-type: none"> Corporate Database Database Processing & Storage HPC Large Database Web Cache 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> 145W CPU support 3 LSI 3108 HW RAID controller LSI SAS 3.0 (12Gbps) support 16 DIMM support DDR4-2133MHz 2x 10GBase-T Ports IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 145W CPU support 3 LSI 3008 HBA controller 16 DIMM support DDR4-2133MHz IPMI 2.0 + KVM with dedicated LAN SAS 3.0 (12Gbps) support 2x 10GBase-T Ports 	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 16x 3.5" Hot-swap SAS3 bays Supports dual 145W CPU 16 DIMM support Dual 10G BaseT 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPERMICRO X10DRH-iT	SUPERMICRO X10DRH-iT	SUPERMICRO X10DRH-CT
Chipset	Intel® C612 Express chipset	Intel® C612 Express chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8
Onboard Storage Controller	3 LSI 3108 HW RAID controller	3 LSI 3008 HBA controllers	LSI 3108 SAS3 onboard controller
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3/SATA3 drive bay w/ full SES-II support	24x 2.5" hot-swap SAS3/SATA3 drive bay w/ full SES-II support	16x 3.5" hot-swap SAS3/SATA3 drive bays; Optional 4x NVMe hybrid drive bay support (12x 3.5" + 4x NVMe)
Peripheral Bays	Optional 2x 2.5" Rear Hot-Swap Drive Bays	Optional 2x 2.5" Rear Hot-Swap Drive Bays	2x 2.5" optional rear hot-swap drive bays
Power Supply	Redundant 920W Platinum Level Digital high-efficiency power supplies	Redundant 920W Platinum Level Digital high-efficiency power supplies	1280W Redundant Platinum Level high-efficiency power supplies with IFC & PMBus
Cooling System	3x cooling fans	3x cooling fans	4x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount	2U Rackmount	2U Rackmount 437 x 89 x 705mm (17.2" x 3.5" x 27.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



2U Storage
X10 SAS3 IT mode controller
Storage Expandable



MODEL	SSG-2028R-E1CR24N	SSG-2028R-E1CR24H	SSG-2028R-E1CR24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 24 DIMM slots Quad 10GBase-T Ports Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency 	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 16 DIMM slots Dual 10GBase-T Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency 	<ul style="list-style-type: none"> LSI 3008 SAS3 HBA controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 16 DIMM slots Dual 10GBase-T Ports Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency
Serverboard	SUPER® X10DRi-T4+	SUPER® X10DRH-iT	SUPER® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port
Onboard Storage Controller	LSI 3108 SAS3 HW RAID controller	LSI 3108 SAS3 HW RAID controller	LSI 3008 SAS3 HBA controller
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3/SATA3 drive bay; optional 2x 2.5" internal fixed drive bay	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	Redundant 1000W Titanium / 920W Platinum Level high-efficiency power supplies with iPC and PMBus	Redundant 1000W Titanium / 920W Platinum Level high-efficiency power supplies with iPC and PMBus	Redundant 1000W Titanium / 920W Platinum Level high-efficiency power supplies with iPC and PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**GPU/Xeon Phi
TwinPro/TwinPro²**



**UP WIO
Multiple AOC
Expansion Option**



**2U UP Storage
SAS 3.0,
12x 3.5" hot-swap HDDs**



MODEL	SuperServer® SYS-5028TK-HTR	SuperServer® SYS-5028R-WR	SuperStorage SSG-5028R-E1CR12L
Processor Support	Quad set of Intel® Xeon Phi™ coprocessor (codename Knights Landing); optional integrated Intel® Omni-Path fabric	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Single Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> HPC/Cluster Financial Analysis Oil and Gas Simulation 	<ul style="list-style-type: none"> Database Processing & Storage Connectivity/Storage Computer Nodes Data Warehouse 	<ul style="list-style-type: none"> Connectivity/Storage Computer Nodes Application and data serving High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 2 low-profile PCI-E x16 slots Intel® Omni-Path fabric support 4 hot swappable nodes in 2U IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 8x 3.5" Hot-swap SATA3 bays w/ RAID Redundant 500W Platinum Level power 5 PCI-E 3.0 x8 slots 	<ul style="list-style-type: none"> LSI 3008 controller onboard Remote management via dedicated IPMI BMC 12x 3.5" hot-swap SAS3 drive bays Dual JBOD expansion ports
Serverboard	SUPER● K1SPi	SUPER● X10SRW-F	SUPER● X10SRH-CLN4F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Express chipset
System Memory (Max.)*	Quad set of up to 384GB ECC LRDIMM, 192GB ECC RDIMM, DDR4-2400MHz in 6 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	Quad set of 2 PCI-E x16 (LP)	5 PCI-E 3.0 x8 slots	4x PCI-E 3.0 (x8/4, x16/8, x8) + 2x PCI-E 2.0 (x8/4, x4/2); Slot 1 occupied by JBOD expansion port
Onboard Storage Controller	Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10	LSI 3008 onboard controller IR mode
Connectivity	Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller	2x GbE port, 1x dedicated IPMI port	4x GbE port, 1x dedicated IPMI port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA drive bays	8x 3.5" Hot-swap SATA3 bays w/ RAID; optional fixed drive bays	12x 3.5" Hot-swap SAS3 Drive Bays 2x 2.5" optional hot-swap drive bays
Peripheral Bays	1x slim DVD-ROM drive bay 2x USB 2.0 ports (option)	1x slim DVD-ROM drive bay 2x USB 2.0 ports (option)	N/A
Power Supply	Redundant 2000W Platinum Level high-efficiency Power Supplies with I ² C & PMBus	Redundant 500W Platinum Level power supplies optional BBP™ module support	Redundant 920W Platinum Level Digital high-efficiency power supplies
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	3x middle cooling fans	3x cooling fans
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2"x3.5"x25.6")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
2 independent displays, M.2 slot,
7 years product life cycle



Embedded, vPro
3 Independent Displays



MODEL	SuperServer® SYS-5029AP-TN2	SuperServer® SYS-5029S-TN2
Processor Support	Intel® Atom™ Processor E3940	6th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor, Intel® Celeron® processor, and Intel® Pentium® processor product families supported, LGA1151 Socket H4
Key Applications	<ul style="list-style-type: none"> • Database Processing & Storage • High Performance NAS Servers • Medical Applications • Security Appliance and Video Surveillance • Web Server for Small and Medium Business • Indoor Kiosk 	<ul style="list-style-type: none"> • Database Processing & Storage • High Performance NAS Servers • Security Appliance and Video Surveillance • Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> • Up to 4 Hot-Swap 3.5" SATA3 HDD, 1 internal 2.5" fixed HDD and 1 M.2 (M key 2242/80 PCIe 3.0x4) • 2x Gigabit LAN ports • Embedded long life • Quiet Operation 	<ul style="list-style-type: none"> • Up to 4 Hot-Swap 3.5" Drive Bay and 2 internal 2.5" fixed Drive Bay, support up to 5 Drives • Remote management via vPro technology • 2x Gigabit LAN ports • DP, HDMI and DVI-I: 3 independent displays • Embedded long life • Quiet Operation
Serverboard	SUPER® A2SAV	SUPER® X11SSV-Q
Chipset	System on Chip chipset	Intel® Q170
System Memory (Max.)*	8GB Unbuffered non-ECC DDR3-1866MHz SO-DIMM in 1 DIMM slot	Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-2133MHz, in 2 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 slot 1 M.2 (M key 2242/80 PCI-E 3.0x4) 1 Mini-PCI-E with mSATA support	1 PCI-E 3.0 x16 slot (Low profile), 1 M.2 (Mkey 2242/80 PCI-E 3.0 x4), 1 Mini-PCI-E with mSATA support
Onboard Storage Controller	Marvel 88SE9230 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SoC controller for 2 SATA3 (6 Gbps) ports	Intel® Q170 Express controller for 5 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Rear 4 x USB3.0, front 2 x USB2.0 header, 1 x USB2.0 Type A 2 x Serial Port, TPM 1.2 onboard	2x RJ45 Gigabit Ethernet LAN 4x USB 3.0, 2x USB 2.0 front, 1x USB 2.0 Type A 2x Serial Port, TPM 1.2 onboard Header
VGA/Audio	1 HDMI, 1 DP (Display Port), 1 VGA, 1 Intel® HD Graphics 2 Independent Displays ALC 888S HD Audio	1 HDMI, 1 DP (Display Port) 1 DVI-D Intel® HD Graphics, 3 Independent Displays ALC 888S HD Audio
Management	vPro and AMT	AMT; vPro; SuperDoctor® 5
Drive Bays	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay
Peripheral Bays	1x slim DVD-ROM drive bays	1x slim DVD-ROM drive bays
Power Supply	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay	1U 250W Flex ATX Multi-output Bronze power supply
Cooling System	1x 12cm rear exhaust fan, SNK-P0046A4 (optional)	1x 12cm rear exhaust fan, SNK-P0046A4 (optional)
Form Factor	Mini-Tower 210 x 240 x 280mm (8.27" x 9.45" x 11")	Mini-Tower 210 x 240 x 280mm (8.27" x 9.45" x 11")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

**Embedded
Compact Mini Tower
3 Independent Displays**



**Embedded
Compact Mini Tower
Intel® Atom™ Processor Appliance**



**Embedded
Compact Mini Tower
Intel® Xeon® Processor D-1541,
8-Core, 45W
Dual 10/1GbE LAN**



MODEL	SuperServer® SYS-5028L-TN2	SuperServer® SYS-5028A-TN4	SuperServer® SYS-5028D-TN4T
Processor Support	Intel® Xeon® Processor E3-1200 v3 and Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor product families supported	Intel® Atom™ Processor C2758	Intel® Xeon® processor D-1541
Key Applications	<ul style="list-style-type: none"> • Compact Cloud Server • Database Processing & Storage • High Performance NAS Servers • Business Intelligence • Security Appliance and Video Surveillance • Web Server for Small and Medium Business 	<ul style="list-style-type: none"> • Embedded Applications • Cloud and Virtualization needs • NAS Servers • SOHO Entry-Level Server • Corporate- WINS, DNS, Print, Login • e-Business 	<ul style="list-style-type: none"> • Network Security Appliance • Compact Cloud Server • High Performance NAS Servers • Virtualization Server • Business Critical Applications • Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> • Up to 4 Hot-Swap 3.5" Drive Bay and 2 internal 2.5" fixed Drive Bay, support up to 4 DrivesDP, HDMI and DVI-I: 3 independent displays • 2x Gigabit LAN ports • TPM 1.2 Headers • Up to 16GB DDR3 non-ECC 1600MHz SODIMM • 1x PCI-E 3.0 x16 slot 	<ul style="list-style-type: none"> • 8-Core Intel® Atom™ Processor • Long Life • Compact Mini Tower • 4x 3.5" SATA Hot Swap Tray and 2 x2.5" internal HDD bay • Support up to 64G ECC SODIMM • One low profile expansion slot for PCI-E2.0x8 	<ul style="list-style-type: none"> • Intel® Xeon® processor D-1541, Single socket FCBGA 1667; 8-Core, 45W • 2x Gigabit + 2x 10G LAN ports • Up to 4 Hot-Swap 3.5" SATA3 HDD and 2 internal 2.5" fixed HDD • Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets • 1x Low Profile PCI-E 3.0 x16 and 1x M.2 PCI-E 3.0 x4, M Key 2242/2280 • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X10SLV-Q	SUPER● A1SRi-2758F	SUPER● X10SDV-TLN4F
Chipset	Intel® Q87	System on Chip chipset	System on Chip chipset
System Memory (Max.)*	16 GB, DDR3-1600MHz non-ECC in 2x 204-pin SODIMM	Up to 64 GB ECC SODIMM 4 DIMM slots	128GB Registered ECC, DDR4-2133MHz or 64GB Unbuffered ECC/non-ECC, DDR4-2133MHz in 4 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 slot 1 Mini-PCI-E w/ mSATA support	1 PCI-E 2.0 x8	1 PCI-E 3.0 x16(Low Profile) 1 M.2 PCI-E 3.0 x4 M Key 2242/2280
Onboard Storage Controller	On board controller for 4x SATA 3.0 ports (6Gbps) with RAID 0,1,5,10	SoC controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps)	SoC controller for 6 SATA3 (6 Gbps) ports
Connectivity	2x USB 3.0 ports (rear) 4x USB 2.0 ports (2 rear, 2 front via headers) 2x RJ45 Gigabit Ethernet LAN ports	4x USB 3.0 ports (rear) 2x USB 2.0 ports (front) Quad RJ45 Gigabit Ethernet LAN	2x Gigabit and 2x 10G RJ45 Ethernet LAN 2x USB 3.0 ports (rear) 2x USB 2.0 ports (front panel)
VGA/Audio	Intel® HD 4600 Graphics Processor Graphic - 1x DisplayPort, 1x HDMI, 1x DVI-I, 3 Independent Displays, ALC 888S HD Audio	AST2400 VGA	AST2400 VGA
Management	Intel® Node Manager, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay	4x 3.5" SATA Hot Swap Tray and 2 x2.5" internal HDD bay	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay
Peripheral Bays	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay
Power Supply	1U 250W Flex ATX Multi-output Bronze power supply	1U 250W Flex ATX Multi-output Bronze power supply	1U 250W Flex ATX Multi-output Bronze power supply
Cooling System	1x 12cm rear exhaust fan 1x Active CPU cooler	1x 12cm rear exhaust fan	1x 12cm rear exhaust fan 1x Active CPU cooler
Form Factor	Mini-Tower 210 x 240 x 279.4mm (8.27" x 9.45" x 11")	Mini-Tower 210 x 240 x 279.4mm (8.27" x 9.45" x 11")	Mini-Tower 210 x 240 x 279.4mm (8.27" x 9.45" x 11")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

EX DP

32 DIMMs, 2U, 2 Node,
(15-Core)



EX DP

32 DIMMs, 2U, 2 Node,
(15-Core)



MODEL	SuperServer® SYS-2028UT-BC1NRT	SuperServer® SYS-2028UT-BTNRT
Processor Support	Dual Intel® Xeon® Processor E7-8800 v2, Intel® Xeon® Processor 4800 v2, and Intel® Xeon® Processor 2800 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E7-8800 v2, Intel® Xeon® Processor 4800 v2, and Intel® Xeon® Processor 2800 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High-performance computing HPC Virtualization 	<ul style="list-style-type: none"> High-performance computing HPC Virtualization
Outstanding Features	<ul style="list-style-type: none"> 2 hot swappable nodes in 2U 2x 10GBase-T Ports IPMI 2.0 + KVM with dedicated LAN LSI 3108 controller for 8 SAS3 (12 Gbps) hot-swappable drives Micro LP PCI-E 2.0 x 8 	<ul style="list-style-type: none"> 2 hot swappable nodes in 2U 2x 10GBase-T Ports IPMI 2.0 + KVM with dedicated LAN Micro LP PCI-E 2.0 x 8
Serverboard	SUPERMICR® X10DBT-T	SUPERMICR® X10DBT-T
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 2TB ECC LRDIMM DDR3, 1600MHz in 32 DIMM slots	Up to 2TB ECC LRDIMM DDR3, 1600MHz in 32 DIMM slots
Expansion Slots	2x PCI-E 3.0 x16 FH/HL 1x PCI-E 3.0 x8 MicroLP card	2x PCI-E 3.0 x16 FH/HL 1x PCI-E 3.0 x8 MicroLP card
Onboard Storage Controller	Twin set of LSI 3108 SAS3 (12Gbps); RAID 0,1,5,6,10,50	
Connectivity	Dual 10GBase-T ports with Intel® X540 controller	Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	2x NVMe drive bays; 8x 2.5" hot-swap SATA3 HDD bays	2x NVMe drive bays; 8x 2.5" hot-swap SATA3 HDD bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital (95%+) high-efficiency power supplies	1280W Redundant Platinum Level Digital (95%+) high-efficiency power supplies
Cooling System	4x 8cm PWM fans	4x 8cm PWM fans
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**2U 6-GPU/Intel® Xeon Phi™
coprocessor**



**2U 4-GPU/Intel® Xeon Phi™
coprocessor**



**2U 4-GPU/Intel® Xeon Phi™
coprocessor**



MODEL	SuperServer® SYS-2027GR-TRFH SYS-2027GR-TRFHT	SuperServer® SYS-2027GR-TRF SYS-2027GR-TRFT	SuperServer® SYS-2027GR-TR2 SYS-2027GR-TRT2
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> GPU/Intel® Xeon Phi™ coprocessor Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas, and medical application 	<ul style="list-style-type: none"> GPU/Intel® Xeon Phi™ coprocessor Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas, and medical application 	<ul style="list-style-type: none"> 2D/3D and CAD Applications 3D Rendering, Astrophysics, Chemistry Cloud and Virtualization needs Cloud Computing Financial Analysis High-performance computing Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> Up to 6 GPU/Intel® Xeon Phi™ coprocessor in 2U 10x 2.5" SATA drives GPU/Intel® Xeon Phi™ coprocessor health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 4 GPU or Xeon Phi™ cards in 2U 10x 2.5" SATA drives GPU/Intel® Xeon Phi™ coprocessor health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> 10x 2.5" SAS/SATA drive bays 130W CPU support 16 DIMM slots GPU health monitoring with fan speed control High-density, Enterprise Performance, Cost-effective
Serverboard	-TRFH: SUPER● X9DRG-HF -TRFHT: SUPER● X9DRG-HTF	-TRF: SUPER● X9DRG-HF -TRFT: SUPER● X9DRG-HTF	-TR2: SUPER● X9DRG-HF+II -TRT2: SUPER● X9DRG-HTF+II
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	6 PCI-E 3.0 x16 support 6 double width GPU/Intel® Xeon Phi™ coprocessor 1 PCI-E 3.0 x8 (in x16 low-profile)	4 PCI-E 3.0 x16 support 4 double width GPU/Intel® Xeon Phi™ coprocessor 1 PCI-E 3.0 x8 (in x16 low-profile) 1 PCI-E 2.0 x4 (in x16 FHFL)	4 PCI-E x16 slots (GPU/Intel® Xeon Phi™ coprocessor opt.); 1 PCI-E x8 (in x16) low profile slot; 1 PCI-E x4 (in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps)0,1,10; Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,10
Connectivity	-TRFHT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRFH: Dual LAN with Intel® i350 Gigabit Ethernet controller	-TRFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRF: Dual LAN with Intel® i350 Gigabit Ethernet controller	-TR2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRT2: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphic	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap SATA drive bays	10x 2.5" hot-swap SATA drive bays	10x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	5x 8cm heavy duty fans with intelligent cooling fan speed control
Form Factor	2U Rackmount 437 x 89 x 775mm (17.2" x 3.5" x 30.5")	2U Rackmount 437 x 89 x 775mm (17.2" x 3.5" x 30.5")	2U Rackmount 437 x 89 x 787mm (17.2" x 3.5" x 31")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U 4-GPU/Intel® Xeon Phi™ coprocessor



**WIO+
SAS2 HW RAID /
10GbE SFP+**



**WIO+
SAS2 HW RAID
10GbE SFP+**



MODEL	SuperServer® SYS-2027GR-TSF	SuperServer® SYS-6027R-72RFTP+	SuperServer® SYS-2027R-72RFTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 v2 family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Chemistry • Cloud Computing • High-performance computing • HPC cluster computer nodes • Oil & Gas 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> • 10x 2.5" SAS/SATA drive bays • 1800W Platinum Level high-efficiency power supply • Up to 4 PCI-E 3.0 x16 slots support 4 double-width GPU cards in 2U 	<ul style="list-style-type: none"> • 10x 3.5" SAS/SATA drive bays • 24 DIMM slots • 2x 10G SFP+ & 2x 1G LAN ports • LSI 2208 controller onboard • Up to 5 add-on cards 	<ul style="list-style-type: none"> • 16x 2.5" SAS/SATA drive bays • 24 DIMM slots • 2x 10G SFP+ & 2x 1G LAN ports • LSI 2208 controller onboard • Up to 5 add-on cards
Serverboard	SUPER® X9DRG-HF	SUPER® X9DRW-7TPF+	SUPER® X9DRW-7TPF+
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 support 4 double width GPU/Intel® Xeon Phi™ coprocessor 1 PCI-E 3.0 x8 (in x16 low-profile) 1 PCI-E 2.0 x4 (in x16 FHFL)	Riser card support: Left side - 1 PCI-E 3.0 x16 (FH, 16.5"L), 2 PCI-E 3.0 x8 slots; Right side - 2 PCI-E 3.0 x8 slots	Riser card support: Left side - 1 PCI-E 3.0 x16 (FH, 16.5"L), 2 PCI-E 3.0 x8 slots; Right side - 2 PCI-E 3.0 x8 slots
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	LSI 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz); Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports	LSI 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz); Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller, Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual LAN Intel® i350 Gigabit Ethernet Controller, Intel® 82599ES 10 Gigabit Ethernet w/ SFP+
VGA/Audio	Matrox® G200eW graphics	Matrox G200eW graphics	Matrox G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port SuperDoctor III; Watchdog;	IPMI 2.0, KVM/media over LAN with dedicated LAN port SuperDoctor III; Watchdog
Drive Bays	10x 2.5" hot-swap SATA drive bays	10x 3.5" hot-swap SAS/SATA Drive Bays	16x 2.5" hot-swap SAS/SATA Drive Bays, 1x 5.25" drive bay
Peripheral Bays	N/A	1x slim DVD-ROM drive (optional); 1x USB + COM port tray (optional)	1x slim DVD-ROM drive (optional); 1x USB + COM port tray (optional)
Power Supply	1800W Platinum Level high-efficiency power supply with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with PMBus & Quiet Mode	920W Redundant Platinum Level high-efficiency power supplies with PMBus & Quiet Mode
Cooling System	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 80mm high-performance fan; Air shroud with optimal fan speed control	4x 80mm high-performance fan; Air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 775mm (17.2"x 3.5" x 30.5")	2U Rackmount 437 x 89 x 705mm (17.2"x 3.5" x 27.75")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



WIO+



WIO+



MODEL	SuperServer® SYS-6027R-N3RFT+ SYS-6027R-N3RF4+	SuperServer® SYS-2027R-N3RFT+ SYS-2027R-N3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Front-end Server and other Computing Intensive Applications • HPC
Outstanding Features	<ul style="list-style-type: none"> • Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-N3RFT+: SUPER® X9DRW-3TF+ -N3RF4+: SUPER® X9DRW-3LN4F+	-N3RFT+: SUPER® X9DRW-3TF+ -N3RF4+: SUPER® X9DRW-3LN4F+
Chipset	Intel® C606 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	-N3RFT+: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors; Dual LAN with Intel® i350 Gigabit Ethernet controller -N3RF4+: Quad LAN with dual Intel® i350 Gigabit Ethernet controller	-N3RFT+: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors; Dual LAN with Intel® i350 Gigabit Ethernet controller -N3RF4+: Quad LAN with dual Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200ew graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 3.5" hot-swap SAS/SATA drive bays	16x 2.5" hot-swap SAS/SATA drive bay 1x 5.25" drive bay
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus
Cooling System	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 705mm (17.2" x 3.5" x 27.75")	2U Rackmount 437 x 89 x 684mm (17.2" x 3.5" x 26.93")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



MODEL	SuperServer® SYS-6027R-N3RF	SuperServer® SYS-2027R-WRF	SuperServer® SYS-6027R-WRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRW-3F	SUPER● X9DRW-iF	SUPER● X9DRW-iF
Chipset	Intel® C606 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10	Ready for SAS/SATA add-on card	Ready for SAS/SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200ew graphics	Matrox® G200eW graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	16x 2.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 684mm (17.2" x 3.5" x 26.93")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



24 DIMM DCO
Data Center Optimized



Data Center Optimized



MODEL	SuperServer® SYS-6027R-CDNRT+	SuperServer® SYS-6027R-TDARF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Cloud and Virtualization needs • Cloud Computing • Compute Intensive Application • Data Center • HPC • Virtualization 	<ul style="list-style-type: none"> • Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> • 920W Redundant Platinum Level high-efficiency power supplies • 24 DIMM slots • 2x 10GBase-T Ports • Up to 4 add-on cards • IPMI 2.0 + KVM with dedicated LAN • NVMe Support 	<ul style="list-style-type: none"> • Optimized for Power Saving and Improved Cooling • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRD-CNT+	SUPER● X9DRD-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (FHHL) 2 PCI-E 3.0 x8 (FHHL) 1 PCI-E 3.0 x8 Low-Profile	1 PCI-E 3.0 x16 (low-profile) 4 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	LSI 3108 SAS3 (12Gbps) HW RAID controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® X540 10GBase-T Ethernet controller Matrox® G200ew graphics	Dual LAN with Intel® i350 Gigabit Ethernet controller Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" SATA/SAS + 4x 2.5" NVMe drive bay	8x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I2C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C and PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Data Center Optimized



Mainstream



MODEL	SuperServer® SYS-6027R-73DARF	SuperServer® SYS-6027R-3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • Optimized for Power Saving and Improved Cooling • 740W Redundant Platinum Level high-efficiency power supplies • 4 LAN ports • IPMI 2.0 + KVM with dedicated LAN • LSI 2308 controller for 8 SAS2 ports 	<ul style="list-style-type: none"> • 24 DIMM slots • SAS support • 4 LAN ports • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRD-7LN4F	SUPER® X9DR3-LN4F+
Chipset	Intel® C602J chipset	Intel® C606 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (low-profile)	4 PCI-E 3.0 x16 (low-profile) 1 PCI-E 3.0 x8 (low-profile) 1 PCI-E 3.0 x4 (in x8 low-profile)
Onboard Storage Controller	LSI 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps); RAID 0,1,5,10
Connectivity	Quad LAN with Dual Intel® i350 Gigabit Ethernet controller	Quad LAN with 2x Intel® i350 Gigabit Ethernet controller
	Matrox® G200ew graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS HDD bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with iPC and PMBus	740W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Mainstream



Mainstream



MODEL	SuperServer® SYS-6027R-TRF	SuperServer® SYS-6027R-72RF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 16 DIMM slots • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • LSI 2208 controller for 8 SAS2 ports
Serverboard	SUPER® X9DRi-F	SUPER® X9DRH-7F
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 (low-profile) 3 PCI-E 3.0 x8 (low-profile)	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8
Onboard Storage Controller	Intel® C602 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller Matrox® G200eW graphics	Dual LAN with Intel® i350 Gigabit Ethernet Controller Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 LSI RAID drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Mainstream



Mainstream



*SBB 2U Storage
High Availability Storage Platform*



MODEL	SuperServer® SYS-6027R-72RFT	SuperServer® SYS-6027R-72RFT+	SuperStorage SSG-2027B-DE2R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Redundant dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Redundant node/set High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 740W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN LSI 2208 controller for 8 SAS2 ports 	<ul style="list-style-type: none"> 24 DIMM slots 740W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN LSI 2208 controller for 8 SAS2 ports 	<ul style="list-style-type: none"> Single JBOD expansion ports per node NV-DIMM slots 920W Redundant Platinum Level (94%+) redundant power supplies Up to 3 add-on cards per node
Serverboard	SUPER● X9DRH-7TF	SUPER● X9DR7-TF+	Redundant SUPER● X9DBS-F-2U
Chipset	Intel® C602 Chipset	Intel® C602J Chipset	Redundant Intel® C602J Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Redundant up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	Redundant 3 PCI-E 3.0 x8 (LP) slots
Onboard Storage Controller	LSI 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Redundant LSI 2308 SAS Dual Core controller
Connectivity	Dual 10GBase-T with Intel® X540 10GbE Controller	Dual 10GBase-T with Intel® X540 10GbE Controller	Redundant dual LAN with Intel® Ethernet Controller i350-AM2
Management	Matrox® G200eW graphics	Matrox® G200eW graphics	Redundant Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Redundant IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	8x 3.5" hot-swap SAS2 LSI RAID drive bays	8x 3.5" hot-swap SAS2 drive bays	Shared 24x 2.5" hot-swap SAS2 drive bay with SES2
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)	N/A
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control	3x 8cm (7000 RPM) hot-swap PWM cooling fan	Redundant 5x 4cm PWM cooling fans with air shroud per node
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 679mm (17.2" x 3.5" x 26.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Storage
3x LSI 3008 IT Mode adapter
Low Latency



Storage SAS3 HW RAID
Storage Expandable



MODEL	SuperStorage SSG-2027R-AR24NV	SuperStorage SSG-2027R-E1CR24N
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Low latency applications using SSD, 15K Media & RAID • High-capacity network caching server • OLTP Database, Index server • HPC Cluster Applications 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Data Farm • Enterprise Server • Media/Streaming • NAS and IP-SAN • Virtualization
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • IPMI 2.0 + KVM with dedicated LAN • NV-DIMM slots • SAS 3.0 (12Gbps) support • Direct attached 	<ul style="list-style-type: none"> • 130W CPU support • 24 DIMM slots & 4 LAN ports (4x 1G) • Dual JBOD Expansion Ports • Hardware RAID Supports up to 240 HDD/SSD • IPMI 2.0 + KVM with dedicated LAN • RAID 0,1,5,6,10,50,60 • Redundant 920W Platinum Level (94%+) Power Supplies • SAS 3.0 (12Gbps) support
Serverboard	SUPER® X9DRH-iF-NV	SUPER® X9DRi-LN4F+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots; Supports ADR based NV-DIMM technology	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16; 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by HBA	4 PCI-E 3.0 x16; 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x8 (in x4 slot); Slot 1 & 2 Occupied by HW RAID Controller and JBOD Expansion Port
Onboard Storage Controller	LSI 3008 controller for 24 SAS 3.0 (12Gbps) ports; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 4SATA2 (3Gbps)0,1,5,10	LSI 3108 SAS3 HW RAID controller
Connectivity	Dual LAN with Intel® Ethernet Controller i350-AM2 Matrox® G200eW graphics	Quad 1G LAN with Intel® i350 Gigabit Ethernet controller Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS 3.0 drive bays	24x 2.5" hot-swap SAS3/SATA3 drive bay; optional 2x 2.5" internal fixed drive bay
Peripheral Bays	Optional 2x 2.5" Rear Hot-swap Drive Bays	N/A
Power Supply	920W Redundant high-efficiency power supplies	920W Redundant Platinum Level high-efficiency power supplies with i°C & PMBus
Cooling System	3x 8cm high-performance PWM fans	3x 8cm high-performance fans with air shroud & optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Storage SAS3 in IT mode
Storage Expandable**



**Storage SAS3 HW RAID
Storage Expandable**



MODEL	SuperStorage SSG-2027R-E1CR24L	SuperStorage SSG-6027R-E1CR12N
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN • NAS and IP-SAN • Unstructured Data Storage • Virtualization 	<ul style="list-style-type: none"> • Cloud Computing • Compute Intensive Storage Environments • Enterprise Server • Media/Streaming • NAS and IP-SAN • Web Server
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 512GB DDR3 SDRAM • Dual JBOD Expansion Ports • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 management with dedicated LAN • Redundant 920W Platinum Level (94%+) Power Supplies • SAS 3.0 (12Gbps) support • Up to 4 add-on cards 	<ul style="list-style-type: none"> • 12x 3.5" drives • 130W CPU support • 24 DIMM slots • 94% Digital high-efficiency redundant power supplies • Dual JBOD Expansion Ports • Hardware RAID Supports up to 240 HDD/SSD • IPMI 2.0 + KVM with dedicated LAN • Quad Gigabit Ethernet LAN • RAID 0,1,5,6,10,50,60 • SAS 3.0 (12Gbps) support
Serverboard	SUPER● X9DRD-EF	SUPER● X9DRI-LN4F+
Chipset	Intel® C602J Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (LP, HL); Slot 1 & 2 occupied by HBA and JBOD Expansion Port	4 PCI-E 3.0 x16; 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x8 (in x4 slot); Slot 1&2 Occupied by Hardware RAID Controller and JBOD Expansion Port
Onboard Storage Controller	LSI 3008 SAS3 HBA controller	LSI 3108 SAS3 HW RAID controller
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad 1G LAN with Intel® i350 Gigabit Ethernet controller
Management	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3 /SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	12x 3.5" hot-swap SAS3 /SATA3 drive bay with SES2; Optional Internal bracket for 2x 2.5" drives (fixed mounting)
Peripheral Bays	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm high-performance fans with air shroud & optimal fan speed control	3x 8cm high-performance PWM fans
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2"x 3.5" x 24.8")	2U Rackmount 437 x 89 x 647mm (17.2"x 3.5" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Storage SAS3 in IT mode
Storage Expandable**



**Storage
HW RAID Expandable**



Storage Expandable



MODEL	SuperStorage SSG-6027R-E1CR12L	SuperStorage SSG-2027R-E1R24N	SuperStorage SSG-2027R-E1R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Cloud Computing Data Farm HPC cluster computer nodes NAS and IP-SAN SOHO Entry-Level Server Video Server Web Server 	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications High Capacity Expandable Storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> 12x 3.5" drives 16 DIMM slots 512GB DDR3 1600/1333/1066 SDRAM 94% Digital high-efficiency redundant power supplies Dual JBOD Expansion Ports IPMI 2.0 + KVM with dedicated LAN Redundant 920W Platinum Level (94%+) Power Supplies SAS 3.0 (12Gbps) support Up to 4 add-on cards 	<ul style="list-style-type: none"> 24 DIMM slots LSI 2108 SAS2 HW RAID controller 920W Platinum Level (94%+) power supply Lights-out management Excellent Balance of CPU/Memory, Storage Performance and Value Dual JBOD Expansion Port 	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management Dual JBOD Expansion Port
Serverboard	SUPER● X9DRD-EF	SUPER● X9DRi-LN4F+	SUPER● X9DRD-7LN4F-JBOD
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (LP, HL); Slot 1 & 2 Occupied by JBOD Expansion Port and HBA	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8) Slot 1 & 2 occupied by JBOD Expansion Port	6x PCI-E 3.0 x8 slots (Low-profile) Slot 1 & 2 occupied by JBOD Expansion Port
Onboard Storage Controller	LSI 3008 SAS3 HBA controller	LSI 2108 SAS2 HW RAID controller	LSI 2308 SAS2 HBA controller
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad-1GbE	Quad-1GbE
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	12x 3.5" hot-swap SAS3/SATA3 drive bay with SES2 ; Optional 2x 2.5" Hot-swap drive bays (rear)	24x 2.5" hot-swap SAS2/SATA3 drive bays; optional 2x 2.5" internal fixed drive bay	24x 2.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5" Hotswap SATA drive bays (rear)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Storage Expandable

Storage HW RAID Expandable

Storage 10G Optimized



MODEL	SuperStorage SSG-6027R-E1R12L	SuperStorage SSG-6027R-E1R12N	SuperStorage SSG-6027R-E1R12T
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications 	<ul style="list-style-type: none"> High Capacity Expandable Storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> Performance 10G Base-T Node for Scale-out clustered NAS/ SAN Scale-Out content delivery Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Single JBOD Expansion Port Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management 	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID LSI2108(AOC) Single JBOD Expansion Port 920W Platinum Level(94%+) Lights-out management 	<ul style="list-style-type: none"> Balanced performance with built in 10G perfect for scale out storage nodes Dual Onboard 10G Base-T 920W Platinum Level(94%+) Lights-out management
Serverboard	SUPER® X9DRD-7LN4F-JBOD	SUPER® X9DRi-LN4F+	SUPER® X9DRH-7TF
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	5x PCI-E 3.0 x8 slots (Low-profile) Slot 1 & 2 occupied by JBOD Expansion Port	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8) Slot 1 & 2 Occupied by JBOD Expansion Port and HBA	7 PCI-E 3.0 slots, (1 PCI-E 3.0 x16 and 6 PCI-E 3.0 x8)
Onboard Storage Controller	LSI 2308 SAS2 HBA controller	LSI 2108 SAS2 HW RAID controller	LSI 2208 SAS2 HW RAID onboard controller
Connectivity	Quad-1GbE, Single JBOD expansion port (4x 6G lanes)	Quad-1GbE, Single JBOD expansion port (4x 6G lanes)	Dual 10GBase-T
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	12x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	12x 3.5" hot-swap SAS2/SATA3 drive bays; optional 2x 2.5" internal fixed drive bay	12x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Storage
Low Latency
3x 2208 RAID Controller**



**Enterprise-Class
Hyper-Speed**



**Enterprise-Class
Hyper-Speed**



MODEL	SuperStorage SSG-2027R-AR24	SuperServer® SYS-6027AX-TRF	SuperServer® SYS-6027AX-72RF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Low latency applications using SSD, 15K Media & RAID • High-capacity network caching server • OLTP Database, Index server • HPC Cluster Applications 	<ul style="list-style-type: none"> • Financial Analysis • Business Critical Applications • Enterprise Server • Oil & Gas • High Frequency Trading 	<ul style="list-style-type: none"> • Financial Analysis • Business Critical Applications • Enterprise Server • Oil & Gas • Enterprise class Hyper-Speed • High Frequency Trading
Outstanding Features	<ul style="list-style-type: none"> • Dual Onboard 10G Base-T • Hardware RAID controller for maximum CPU utilization • Direct Attached Backplane, perfect for SSDs • 920W Platinum Level (94%+) • Lights-out management 	<ul style="list-style-type: none"> • 10x 3.5 SATA/SAS drives • Dual port IEEE 1394a headers • 1280W Redundant Platinum Level Digital high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • SAS2 RAID 0,1,10,5,50,60 • 10x 3.5 SATA/SAS drives • Dual port IEEE 1394a headers • 1280W Redundant Platinum Level Digital high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRH-7TF	SUPER● X9DAX-iF	SUPER● X9DAX-7F
Chipset	Intel® C602 Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	5 PCI-E 3.0 slots, (1 PCI-E 3.0 x16 and 4 PCI-E 3.0 x8) Slot 1 & 2 Occupied by RAID controller	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8
Onboard Storage Controller	LSI 2208 SAS2 HW RAID onboard controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 8 SAS2 ports HW RAID 0,1,5,6,10,50,60; Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual 10GBase-T	Intel® i350 Dual Port Gigabit Ethernet LAN	Intel® i350 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics 7.1 HD Audio	Matrox® G200eW graphics 7.1 HD Audio
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS2/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bay	10x 3.5" hot-swap SATA/SAS HDD bays	10x 3.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	4x 80mm high-efficiency PWM fans with optimal fan speed control	4x 80mm high-efficiency PWM fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 704mm (17.2" x 3.5" x 27.7")	2U Rackmount 437 x 89 x 704mm (17.2" x 3.5" x 27.7")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



*Datacenter
Optimized*



UIO



UP



MODEL	SuperServer® SYS-6027B-TLF	SuperServer® SYS-6027B-URF	SuperServer® SYS-5027R-WRF
Processor Support	Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8 GT/s	Single Intel® Xeon® Processor E5-2600, Intel® Xeon® Processor E5-1600, Intel® Xeon® Processor E5-2600 v2, and Intel® Xeon® Processor 1600 v2 product families, with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Web Server 	<ul style="list-style-type: none"> HPC cluster computer nodes Data farm Data center Front-end server 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> 650W AC-DC high-efficiency power supply Gold Level IPMI 2.0 + KVM with dedicated LAN Cost Effective 	<ul style="list-style-type: none"> 740W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER●X9DBL-iF	SUPER●X9DBU-iF	SUPER●X9SRW-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots	Up to 384GB of ECC DDR3-1600 MHz SDRAM in 12 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI, 3 PCI-E x8, 1 PCI-E x16, 1 PCI-E 3.0 x4 (in x8)	1 UIO, 4 PCI-E 3.0 x4 (2 FH/13.5"L, 2 LP/6.6"L) 1 PCI-E 3.0 x8 (FH/13.5"L)	4 PCI-E 3.0 x8 1 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0, 1, 5, 10	Ready for SAS or SATA add-on card	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps); RAID 0,1,5,10
Connectivity	Intel® 82574L Dual Port Gigabit Ethernet LAN	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap SATA HDD bays	8 hot-swap 3.5" SAS/SATA drives bays (Optional SAS controller card)	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	650W Gold Level AC-DC high-efficiency power supply	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	500W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 80x80x38 mm high performance PWM fans with optimal fan speed control	3x heavy duty fans w/ Optimal Fan Speed Control; 1 Air Shroud	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 426 x 89 x 650mm (16.8" x 3.5" x 25.6")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")



Multi I/O
11 PCI-E Slots



3U Storage
X10 HW SAS3 controller
Storage Expandable



3U Storage
X10 SAS3 HW/IT mode controller
Storage Expandable



MODEL	SuperServer® SYS-6038R-TXR	SuperStorage SSG-6038R-E1CR16N	SuperStorage SSG-6038R-E1CR16H SSG-6038R-E1CR16L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Networking Telephony Surveillance DVR Industrial Server Solutions Head-node controller 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 10x PCI-E 3.0 x8, 1x PCI-E 2.0 x4 (in x8) 8x Hot-swap 3.5" HDD Bays and 2x 5.25" Drive Bays 2 SATA DOMs Support with Embedded Power 145W CPU support 	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 16x 3.5" SAS3/SATA3 drive bays 130W CPU support 24 DIMM slots 4 x 10G BaseT Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply 	<ul style="list-style-type: none"> 16x 3.5" Hot-swap SAS3 drive bays 130W CPU support 16 DIMM slots Dual 10G BaseT Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply
Serverboard	SUPER® X10DRX	SUPER® X10DRi-T4+	SUPER® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 (FH, FL), 1 PCI-E 2.0 x4 (in x8 slot)	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8, Slot 1 & 2 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	LSI 3108 SAS3 HW RAID controller	-E1CR16H: LSI 3108 SAS3 HW RAID controller; -E1CR16L: LSI 3008 SAS3 HBA controller
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap and 2x 5.25" drive bay	16x 3.5" hot-swap SAS3 /SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	16x 3.5" hot-swap SAS3 /SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay
Power Supply	Redundant 1280W Platinum Level Digital power supplies w/PMBus supports	920W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	3x middle fans & 1x rear exhaust fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan
Form Factor	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
SBB 3U Storage
High Availability Storage Platform



New!
GPU/Intel® Xeon Phi™ Coprocessor,
Code Optimization



Rackmount

MODEL	SuperStorage SSG-6038R-DE2CR16L	SuperServer® SYS-5038K-i
Processor Support	Redundant dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Single Intel® Xeon Phi™ x200 processor (LGA 3647) supported (non-fabric)
Key Applications	<ul style="list-style-type: none"> High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> HPC/Cluster Financial Analysis Oil and Gas Simulation Code Optimization
Outstanding Features	<ul style="list-style-type: none"> Redundant DP SBB supporting shared 16x 3.5" HDD Intel® X540 dual port 10GBase-T Dual JBOD expansion ports per node NV-DIMM support Up to 3 add-on cards per node Redundant 1200W Titanium Level (96%+) power supplies 	<ul style="list-style-type: none"> Quiet Operation (31 dBA for 215 W CPUs) Single Intel® Xeon Phi™ x200 Processor IPMI 2.0 + KVM with dedicated LAN Mid Tower ATX Chassis
Serverboard	Redundant SUPER® X10DRS-3U	SUPER® K1SPE
Chipset	Redundant Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Redundant up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 384GB ECC LRDIMM, 192GB ECC RDIMM, DDR4-2400MHz in 6 DIMM slots
Expansion Slots	Redundant 3 PCI-E 3.0 x8 (1x HHHL, 2x LPHL) expansion slots per controller	2 PCI-E 3.0 x16; 1 PCI-E 3.0 x4
Onboard Storage Controller	Redundant LSI 3008 SAS3 controller	Intel® C612 controller with SATA3 (6 Gbps) ports supporting RAID 0,1,5
Connectivity	Redundant dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node; 100M private Ethernet between controller nodes	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Redundant AST2400 VGA	Aspeed AST2400 BMC
Management	Redundant IPMI 2.0 + KVM with dedicated LAN	IPMI 2.0 + KVM with dedicated LAN
Drive Bays	Shared 16x 3.5" hot-swap SAS drive bay with SES2	6x 3.5" toolless HDD trays; 4x 2.5" toolless HDD trays
Peripheral Bays	N/A	2x 5.25" bays
Power Supply	Redundant 1200W Titanium (96%+) Level high-efficiency power supplies with I ² C & PMBus	750W Multi-output 80Plus Gold power supply
Cooling System	Redundant 6x 4cm PWM cooling fans per node	Dual cooling zones; 2x 120 mm front chassis fans, 1x 80 mm mid chassis fan, 1x 120 mm rear chassis fan, 2x 120 mm radiator exhaust fans, and a closed loop liquid cooling unit
Form Factor	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	Mid-Tower ATX 201 x 460 x 493mm (7.9" x 18.1" x 19.4")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



SBB 3U Storage
High Availability Storage Platform



3U Storage
HW RAID Expandable



3U Storage
Storage Expandable



MODEL	SuperStorage SSG-6037B-DE2R16L	SuperStorage SSG-6037R-E1R16N	SuperStorage SSG-6037R-E1R16L
Processor Support	Redundant dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Availability Storage Appliance Platform Failover cluster Cluster in a Box 	<ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems like Windows Storage Spaces, Oracle ZFS, Linux BTFS Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> Dual JBOD expansion ports per node NV-DIMM slots Redundant 920W Platinum Level (94%+) power supplies Up to 3 add-on cards per node 8x lanes PCI-E 3.0 between nodes (NTB) 	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID LSI2108(AOC) 920W Platinum Level (94%+) power supply Lights-out management Dual JBOD expansion ports 	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management
Serverboard	Redundant SUPER● X9DBS-F	SUPER● X9DRi-LN4F+	SUPER● X9DRD-7LN4F-JBOD
Chipset	Redundant Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
System Memory (Max.)*	Redundant up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Redundant 3 PCI-E 3.0 x8 (1 FH, 2 LP) expansion slots per controller	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Onboard Storage Controller	Redundant LSI 2308 SAS Dual Core controller	LSI 2108 SAS2 HW RAID controller	LSI 2308 SAS2 HBA controller
Connectivity	Redundant dual LAN with Intel® Ethernet Controller i350-AM2	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
VGA/Audio	Redundant 1 VGA, Nuvoton WPCM450 BMC	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	Redundant IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	Shared 16x 3.5" hot-swap SAS drive bay with SES2 (Shared)	16x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	16x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	Redundant 920W Platinum Level high-efficiency power supplies with FC & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	Redundant 6x 4cm PWM cooling fans with air shroud per node	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

11 PCI-E Slots

Mainstream
Supports 2x Passive
GPU or Xeon Phi™

Mainstream



MODEL	SuperServer® SYS-6037R-TXRF	SuperServer® SYS-6037R-72RFT+	SuperServer® SYS-6037R-72RF SYS-6037R-72RFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Storage Environments like Data Deduplication, Replication, Virtual Tape, NAS and IP-SAN 	<ul style="list-style-type: none"> • Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation 	<ul style="list-style-type: none"> • Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation
Outstanding Features	<ul style="list-style-type: none"> • 980W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 24 DIMM slots • Supports 2 passive GPU/ Xeon Phi™ • 1280W Redundant Platinum Level Digital high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 16 DIMM slots • SAS 2.0 support • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRX+-F	SUPER® X9DR7-TF+	-72RF: SUPER® X9DRH-7F -72RFT: SUPER® X9DRH-7TF
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8)	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 (4 in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	LSI 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller	-72RF: Dual LAN with Intel® i350 Gigabit Ethernet controller -72RFT: Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5 hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional) 2x 5.25" drive bays	1 slim DVD-ROM drive bay 2x 5.25" drive bays
Power Supply	980W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud, 1x 8cm exhaust fans with optimal fan speed control	4x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans, optimal fan speed control, and optional GPU fan kit, GPU air shroud, and 2x GPU power extension cables	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
Tower Server, 24/7 Operation,
Unparalleled Reliability



Tower Server,
24/7 Operation,
Unparalleled Reliability



Whisper-Quiet
25dB



MODEL	SuperServer® SYS-5039D-I	SuperServer® SYS-5038D-i	SuperServer® SYS-5037C-i
Processor Support	6th Generation Intel® Core™ i3 processor and Intel® Xeon® processor E3-1200 v5 product families	Single 4th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor, and Intel® Xeon® processor E3-1200 v3 product families	Intel® Xeon® Processor E3-1200 v2, 3rd Generation Intel® Core™ i3 & Intel® Pentium® processor product families (LGA 1155, Socket H2)
Key Applications	<ul style="list-style-type: none"> Application and data serving CAD/CAM/CAE Medical Applications Oil & Gas SOHO Entry-Level Server 	<ul style="list-style-type: none"> Application and data serving CAD/CAM/CAE Medical Applications Oil & Gas SOHO Entry-Level Server 	<ul style="list-style-type: none"> SOHO entry-level server, file server
Outstanding Features	<ul style="list-style-type: none"> Cost effective & Tool-less design Cost effective UP platform Cost optimized 	<ul style="list-style-type: none"> Cost effective & Tool-less design Cost effective UP platform Cost optimized IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Mini-tower formfactor Tool-less chassis design 300W Bronze level power supply Whisper-quiet operation at 25dB Extremely cost effective
Serverboard	SUPER® X11SSL-F	SUPER® X10SLL-F	SUPER® X9SCL
Chipset	Intel® C232 chipset	Intel® C222 chipset	Intel® C202 PCH chipset
System Memory (Max.)*	Up to 64GB Unbuffered ECC, DDR4-2133MHz in 4 DIMM slots	Up to 32GB ECC/Non-ECC UDIMM in 4 slots; DDR3 up to 1600 MHz	32GB UDIMM ECC DDR3 1333/1066 SDRAM in 4 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (in x16 slot); 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x4 (in x8 slot)	1 PCI-E 3.0 x8 (in x16 slot); 1 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot)	2 PCI-E 2.0 x8 (in x8 slot) 1 PCI-E 2.0 x4 (in x8 slot)
Onboard Storage Controller	Intel® C232 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C222 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; Intel® C222 controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	6 SATA2 (3Gbps) RAID 0,1,5,10 (Window) Optional RAID 0,1,10 (Linux)
Connectivity	Dual LAN with Intel® Ethernet Controller I210-AT	Single LAN with Intel® PHY i217LM; Single LAN with Intel® Ethernet Controller i210AT	Dual LAN with 2 x Intel® 82574L Gigabit Ethernet controllers
VGA/Audio	1 VGA, 1 Aspeed AST2400 BMC	AST2400 VGA	Nuvoton Graphics
Management	IPMI2.0; NMI; SPM; SSM; SUM; SuperDoctor® 5; Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" fixed drive bays	2x 5.25" drive bay 4x 3.5" fixed drive bay	4x 3.5" HDD Bays 90-degree rotating tool-less hard drive cage
Peripheral Bays	2x 5.25" drive bays	1x standard 5.25" drive bay; 1x 3.5" internal fixed drive bay	2x 5.25" optical drive bays
Power Supply	300W high-efficiency power supply	300W high-efficiency power supply	300W Bronze Level low-noise power supply
Cooling System	1x 9cm (2050 RPM) rear exhaust fan	1x 9cm (2050 RPM) rear exhaust fan; optional 1x 8cm fan for PCI card cooling	1x rear 9.2cm PWM fan with toolless design; Optional 1 x front 8cm cooling fan
Form Factor	Mid-Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")	Mid-Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")	Mini Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!

4U 10-GPU/Intel® Xeon Phi™ coprocessor under single CPU root



New!

4U 8-GPU/Intel® Xeon Phi™ coprocessor



21dB Whisper-Quiet Tool-Less Design



Rackmount

MODEL	SuperServer® SYS-5037C-T	SuperServer® SYS-4028GR-TRT2 SYS-4028GR-TR2	SuperServer® SYS-4028GR-TXRT SYS-4028GR-TXR
Processor Support	Intel® Xeon® Processor E3-1200 v2, 3rd Generation Intel® Core™ i3 & Intel® Pentium® processor product families (LGA 1155, Socket H2)	Intel® Xeon® processor E5-2600 v4 product family with QPI up to 9.6GT/s	Intel® Xeon® processor E5-2600 v4 product family with QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Workstation, multimedia appliance, SOHO entry-level server 	<ul style="list-style-type: none"> Artificial Intelligence Big Data Analytics High-performance computing Research lab/National Lab Astrophysics Business Intelligence 	<ul style="list-style-type: none"> Artificial Intelligence Big Data Analytics High-performance computing Research lab/National Lab Astrophysics Business Intelligence
Outstanding Features	<ul style="list-style-type: none"> Mid-tower form factor Tool-less chassis design 500W Bronze level low-noise power supply Whisper-quiet operation at 21dB 2 front USB 2.0 ports Optional LCD display 	<ul style="list-style-type: none"> Supports 8 GPU under one CPU Root Optimized for GPUDirect RDMA 24x 2.5" SATA drives IPMI 2.0 + KVM with dedicated LAN 24 DIMM sockets 	<ul style="list-style-type: none"> Support 8 Tesla P100 with 80GB/s NVLINK Support GPUDirect RDMA Support 8 NVMe SSD Support up to 160W CPU Optimized cooling with no GPU pre-heat 2000W (2+2) Redundant Titanium Level Power Supplies with PMBus
Serverboard	SUPER● X9SCA	-TRT2: SUPER● X10DRG-OT+-CPU -TR2: SUPER● X10DRG-O+-CPU	-TXRT: SUPER● X10DRG-OT+-CPU -TXR: SUPER● X10DRG-O+-CPU
Chipset	Intel® C204 PCH chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	32GB UDIMM ECC DDR3 1333/1066 SDRAM in 4 DIMM slots	Up to 3TB DDR4-2400MHz in 24 DIMM slots	Up to 3TB DDR4-2400MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 2.0 x 16, 2 PCI-E 2.0 x4 (in x8 slots), 3 PCI-32	11 x PCI-E 3.0 x16 support up to 10 double width GPU, 1 x PCI-E 3.0 x8	4 x PCI-E 3.0 x16 2 x PCI-E 3.0 x8
Onboard Storage Controller	2 SATA3 (6Gbps); RAID 0, 1 (Window) 4 SATA2 (3Gbps); RAID 0,1,5,10 (Window) RAID 0,1,10 (Linux)	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	Dual LAN with 2 x Intel® 82574L Gigabit Ethernet controllers	-TRT2: Dual LAN with 10GBase-T with Intel® X540 10GbE Controller; Dual LAN with Intel I350 Gigabit Ethernet controller -TRT: Dual LAN with Intel® i350 Gigabit Ethernet Controller	-TXRT: Dual LAN with 10GBase-T with Intel® X540 10GbE Controller; Dual LAN with Intel I350 Gigabit Ethernet controller -TXR: Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	Nuvoton Graphics	Matrox G200ew graphics	Matrox G200ew graphics
Management	SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" HDD Bays 90-degree rotating tool-less hard drive cage 4x 2.5" Internal HDD/SSD bays (optional)	24 x 2.5" HDD drive bays	24 x 2.5" HDD drive bays
Peripheral Bays	2x 5.25" optical drive bays	N/A	N/A
Power Supply	500W Bronze Level low-noise power supply	4x 2000W Redundant Titanium Level (96%+) high-efficiency power supplies with I2C & PMBus	4x 2000W Redundant Titanium Level (96%+) high-efficiency power supplies with I2C & PMBus
Cooling System	1x rear 12cm (1850rpm) cooling fan; Optional 1 x front 12cm cooling fan	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control
Form Factor	Mid Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	4U Rackmount 437 x 178 x 737mm (17.2" x 7.0" x 29")	4U Rackmount 447 x 178 x 805mm (17.6" x 7.0" x 31.7")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!

Supports 8 GPU/Intel® Xeon Phi™ coprocessor

**Thunderbolt Support
Supports 4 GPU/Intel® Xeon Phi™ coprocessor**



MODEL	SuperServer® SYS-4028GR-TR(T)	SuperServer® SYS-7048GR-TR	SuperServer® SYS-6048R-TXR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s; CPU TDP support up to 145W
Key Applications	<ul style="list-style-type: none"> 3D Rendering Astrophysics Chemistry Cloud and Virtualization needs Cloud Computing Compute Intensive Application 	<ul style="list-style-type: none"> HPC cluster computer nodes Simulation and Creation Design Imaging and Computer Vision 	<ul style="list-style-type: none"> Networking Telephony Surveillance DVR Industrial Server Solutions Head-node controller
Outstanding Features	<ul style="list-style-type: none"> Up to 8 GPU/Intel® Xeon Phi™ coprocessor in 4U 24 DIMM slots 24x 2.5" SATA drives GPU health monitoring with fan speed control 4x 1600W Redundant Platinum Level power supplies 	<ul style="list-style-type: none"> 1TB DDR4-2133MHz in 16 DIMMs 7.1 HD Audio Header Thunderbolt AOC support 8x 3.5" hot-swap SATA drive bays GPU health monitoring with fan speed control Redundant 2000W Titanium Level power 4x PCI-E 3.0 x16 slots, 2x PCI-E 3.0 x8 (1 in x16), 1x PCI-E 2.0 x4 (in x8) 	<ul style="list-style-type: none"> Supports 16 DIMM DDR4-2133MHz Up to 11 PCI-E slots 5 hot-swap 3.5" drives bays (SATA3 ports) 3x 5.25" Peripheral Drive Bays 2 SATA DOMs Support with Embedded Power
Serverboard	-TR: SUPER® X10DRG-O+-CPU, X10DRG-O-PCI-E -TRT: SUPER® X10DRG-OT+-CPU, X10DRG-O-PCI-E	SUPER® X10DRG-Q	SUPER® X10DRX
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	8x PCI-E 3.0 x16 (support up to 8 double width GPUs) 2x PCI-E 3.0 x8 1x PCI-E 2.0 x4	4 PCI-E 3.0 x16 (double-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 (in x8), Support Thunderbolt 2.0 AOC	10 PCI-E 3.0 x8 (FH, FL), 1 PCI-E 2.0 x4 (in x8 slot)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 AHCI controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-TR: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -TRT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x hot-swap 2.5" SAS/SATA drives	8x hot-swap 3.5" SAS/SATA drives	5x 3.5" hot-swap and 3x 5.25" peripheral drive bays
Peripheral Bays	N/A	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay	1 optional Slim DVD-ROM bay
Power Supply	Four 1600W (2+2) Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with iFC & PMBus	Redundant 600W power supplies
Cooling System	8x 92mm RPM Hot-Swappable Cooling Fans	4x 92x38mm 4-pin PWM Middle Cooling Fans, 2x 80x38mm 4-pin PWM Rear Exhaust Fans	1x 92x38mm 4-pin PWM front intake fan 2x 80x38mm 4-pin PWM rear exhaust fans
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount 437 x 178 x 525mm (17.2" x 7" x 20.68")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
4U Storage
Double-Sided Storage

New!
4U Storage
90x 3.5" Drive Bays

New!
4U Storage
60x 3.5" SAS3 Drive Bays,
w/ IT mode controller
Storage Expandable



MODEL	SuperStorage SSG-6048R-E1CR72L	SuperStorage SSG-6048R-E1CR90L	SuperStorage SSG-6048R-E1CR60N SSG-6048R-E1CR60L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s; Supports up to 160W
Key Applications	<ul style="list-style-type: none"> • CDN • Media/Streaming • NAS and IP-SAN • Unstructured Data Storage • Virtual Tape 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • High Density 4U Server supports 72x 3.5" SAS3 drives • Supports dual 145W CPU • Supports 16 DIMM DDR4 up to 2133MHz • Support 72x 3.5" SAS3 HDD • 3 LSI 3008 SAS3 HBA controllers • Dual 10G BaseT 	<ul style="list-style-type: none"> • 90x 3.5" Drive in 4U Form Factor • 2 LSI 3008 SAS3 HBA controllers • Support Dual Intel Boardwell CPU • 8 DIMM sockets • Support SIOM Card for Multiple IO Option • 4x 1000W Titanium Level high-efficiency power supplies • Quad LAN 10G SFP+ LAN ports 	<ul style="list-style-type: none"> • 60x 3.5" Drive in 4U Form Factor • -N: LSI 3108 SAS3 HW RAID controller • -L: LSI 3008 SAS3 HBA controller • Supports dual 145W CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 2000W Titanium Level high-efficiency power supplies • LCD screen
Serverboard	SUPER® X10DRH-iT	SUPER® X10DSC-TP4S	SUPER® X10DSC+
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots
Expansion Slots	3x slots occupied by IT Mode disk controllers LSI 3008; 4x Low profile slots available	N/A	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8
Onboard Storage Controller	3 LSI 3008 SAS3 HBA controllers	2 LSI 3008 SAS3 HBA controllers	-N: LSI 3108 SAS3 HW RAID controller -L: LSI 3008 SAS3 HBA controller
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	SIOM card for multiple IO option; On board Quad LAN 10G SFP+ with Intel X710	SIOM card for multiple IO option
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	72x 3.5" hot-swap SAS3/SATA3 drive bays with SES2	90x 3.5" hot-swap SAS3/SATA3 drive bays	60x 3.5" hot-swap SAS3/SATA3 drive bays; 6x optional NVMe drive bays
Peripheral Bays	2x 2.5" rear hot-swap drive bays	2x 2.5" rear hot-swap drive bays	2x 2.5" rear hot-swap drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	4x 1000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus	2000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	7x 92mm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans
Form Factor	4U Rackmount 437 x 178 x 889mm (17.2"x7"x35")	4U Rackmount 447 x 178 x 906mm (17.6"x7"x35.66")	4U Rackmount 447 x 178 x 906mm (17.6"x7"x35.66")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



4U Storage
X10 HW SAS3 controller
Storage Expandable



4U Storage
X10 SAS3HW/IT mode controller
Storage Expandable



MODEL	SuperStorage SSG-6048R-E1CR24N	SuperStorage SSG-6048R-E1CR24H SSG-6048R-E1CR24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • LSI 3108 SAS3 HW RAID controller • 24x 3.5" Hot-swap SAS3 bays • 145W CPU support • 24 DIMM slots • 4x 10G BaseT • Dual JBOD Expansion Ports • 920W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> • 24x 3.5" Hot-swap SAS3 bays • 145W CPU support • 16 DIMM slots • Dual 10G BaseT • Dual JBOD Expansion Ports • 920W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER● X10DRi-T4+	SUPER● X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8); Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8; Slot 1 & 2 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	LSI 3108 SAS3 HW RAID controller	-E1CR24H: LSI 3108 SAS3 HW RAID controller; -E1CR24L: LSI 3008 SAS3 HBA controller
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 3.5" hot-swap SAS3/SATA3 drive bay, 2x 2.5" optional rear hot-swap drive bay	24x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan
Form Factor	4U Rackmount 437 x 178 x 673mm (17.2"x7"x26.5")	4U Rackmount 437 x 178 x 673mm (17.2"x7"x26.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



4U Storage
X10 HW SAS3 controller
Storage Expandable



4U Storage
X10 SAS3 IT controller
Storage Expandable



4U Storage
X10 HW SAS3 controller
Storage Expandable



MODEL	SuperStorage SSG-6048R-E1CR36N	SuperStorage SSG-6048R-E1CR36L	SuperStorage SSG-6048R-E1CR36H
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 145W CPU support 24 DIMM slots 36x 3.5" Hot-swap SAS3 bays Dual JBOD Expansion Ports 4x 10GBase-T Ports 1280W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> LSI 3008 SAS3 HBA controller 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 36x 3.5" Hot-swap SAS3 bays Dual JBOD Expansion Ports Dual 10G BaseT 16 DIMM slots 	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 36x 3.5" Hot-swap SAS3 bays Dual JBOD Expansion Ports Dual 10G BaseT 16 DIMM slots
Serverboard	SUPER● X10DRi-T4+	SUPER● X10DRH-iT	SUPER● X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	LSI 3108 SAS3 HW RAID controller	LSI 3008 SAS3 HBA controller	LSI 3108 SAS3 HW RAID controller
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	36x 3.5" hot-swap SAS3/SATA3 drive bay; 4x 2.5" internal fixed drive bay	36x 3.5" hot-swap SAS3/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bays; 4x 2.5" internal fixed drive bays; Optional 4x NVMe hybrid drive bay support (32x 3.5" + 4x NVMe)	36x 3.5" hot-swap SAS3/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bays; 4x 2.5" internal fixed drive bays; Optional 4x NVMe hybrid drive bay support (32x 3.5" + 4x NVMe)
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus
Cooling System	7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



4U UP Storage
SAS 3.0, 36x 3.5" hot-swap HDDs



New!
4U Storage
High Availability Storage Platform



MODEL	SuperStorage SSG-5048R-E1CR36L	SuperStorage SSG-6048R-DE2CR24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Redundant dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Connectivity/Storage Computer Nodes Database Processing & Storage 	<ul style="list-style-type: none"> High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> LSI 3008 SAS3 HBA controller onboard Remote management via dedicated IPMI BMC 36x 3.5" Hot-swap SAS3 bays External port for JBOD connect 	<ul style="list-style-type: none"> Redundant DP SBB supporting shared 24x 3.5" HDD Intel® X540 Dual port 10GBase-T Dual JBOD expansion ports per node NV-DIMM support Up to 3 add-on cards per node Titanium Level power supplies
Serverboard	SUPER● X10SRH-CLN4F	Redundant SUPER● X10DRS-4U
Chipset	Intel® C612 Express chipset	Redundant Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Redundant up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	4x PCI-E 3.0 (x8/4, x16/8, x8) + 2x PCI-E 2.0 (x8/4, x4/2)	Redundant 3 PCI-E 3.0 x8 (1x HHHHL, 2x LPHL) expansion slots per controller
Onboard Storage Controller	LSI 3008 SAS3 HBA controller onboard	Redundant LSI 3008 SAS controller
Connectivity	4x GbE port, 1x dedicated IPMI port	Redundant dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node; 100M private Ethernet between controller nodes
VGA/Audio	AST2400 VGA	Redundant AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Redundant IPMI 2.0 + KVM with dedicated LAN
Drive Bays	36x 3.5" Hot-swap SAS3 bays; 2x 2.5" optional rear hot-swap drive bays	Shared 24x 3.5" hot-swap SAS drive bay with SES2
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	7x 80mm middle cooling fans	Redundant 2x 4cm PWM cooling fans and 4x 8cm system PWM cooling fans
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 648mm (17.2"x7"x25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Mainstream
4U Standalone/Rackmount
16 DIMMs**



**Mainstream
4U Standalone/Rackmount
16 DIMMs**



**Mainstream
4U Standalone/Rackmount /
SAS3, 7 PCI-E 3.0**



MODEL	SuperServer® SYS-7048R-TR	SuperServer® SYS-7048R-TRT	SuperServer® SYS-7048R-C1R
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Big Data Analytics Compute Intensive Storage Environments DataCenter Applications Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots Redundant 920W Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 8x 3.5" hot-swap SATA3 drive bays 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> 16 DIMM slots Redundant 920W Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 8x 3.5" hot-swap SATA3 drive bays 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> 2 SATA DOM support with embedded power 16 DIMM slots 8x 3.5" SATA3/8x 2.5" SAS3 hot-swap drive bays Redundant 920W Platinum Level high-efficiency Independent power & cooling control SATA 3.0 (6Gbps) support Supports up to 7 expansion cards
Serverboard	SUPER® X10DRi	SUPER® X10DRi-T	SUPER® X10DRH-C
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	FH, FL support for 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 add on cards
Onboard Storage Controller	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller;	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Dual LAN with Intel® i350 Gigabit Ethernet Controllers;
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA3 drive bays	8x 3.5" hot-swap SATA3 drive bays	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives
Peripheral Bays	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive
Power Supply	Redundant 920W Platinum Level high- efficiency power supplies with I ² C & PMBus	Redundant 920W Platinum Level high- efficiency power supplies with I ² C & PMBus	Redundant 920W Platinum Level high- efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap redundant PWM cooling fans; 2x 2x 8cm hot-swap exhaust fans air shroud
Form Factor	Tower/4U Rackmount 453 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 453 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 437 x 178 x 647mm (17.2" x 7" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Mainstream
4U Standalone/Rackmount /
SAS3, 7 PCI-E 3.0



Mainstream
4U Standalone/Rackmount /
SAS3, 24 DIMMs, Quad LAN



Mainstream
4U Standalone/Rackmount /
SAS3, 24 DIMMs, Quad LAN



MODEL	SuperServer® SYS-7048R-C1RT	SuperServer® SYS-7048R-C1R4+	SuperServer® SYS-7048R-C1RT4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Storage Environments • DataCenter Applications • Simulation & Automation 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Storage Environments • DataCenter Applications • Simulation & Automation 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Storage Environments • DataCenter Applications • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 2 SATA DOM support with embedded power • 16 DIMM slots • 8x 3.5" SATA3/8x 2.5" SAS3 hot-swap drive bays • Redundant 920W Platinum Level high-efficiency • Independent power & cooling control • SATA 3.0 (6Gbps) support • Supports up to 7 expansion cards 	<ul style="list-style-type: none"> • 2 SATA DOM support with embedded power • 24 DIMM slots • 8x 2.5" SAS/8x 3.5" SATA hot-swap drive bays • Redundant 920W Platinum Level power • Up to 6 add-on cards 	<ul style="list-style-type: none"> • 2 SATA DOM support with embedded power • 24 DIMM slots • 8x 2.5" SAS/8x 3.5" SATA hot-swap drive bays • Redundant 1000W Titanium Level power • Up to 6 add-on cards
Serverboard	SUPER● X10DRH-CT	SUPER● X10DRC-LN4+	SUPER● X10DRC-T4+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHZ in 16 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHZ in 24 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHZ in 24 DIMM slots
Expansion Slots	FH, FL support for 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 add on cards	FH/FL support for 2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) add on cards	FH/FL support for 2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) add on cards
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Quad LAN with Intel® i350 Gigabit Ethernet Controllers;	Quad 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives (Total 16x hot-swap drive bays)	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives (Total 16x hot-swap drive bays)
Peripheral Bays	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive
Power Supply	Redundant 920W Platinum Level high- efficiency power supplies with I°C & PMBus	C1R4+: Redundant 920W Platinum Level high-efficiency power supplies with I°C & PMBus C1RT4+: Redundant 1000W Titanium Level high-efficiency power supplies with I°C & PMBus	C1R4+: Redundant 920W Platinum Level high-efficiency power supplies with I°C & PMBus C1RT4+: Redundant 1000W Titanium Level high-efficiency power supplies with I°C & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans; 2x 2x 8cm hot-swap exhaust fans air shroud	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	Tower/4U Rackmount 437 x 178 x 647mm (17.2" x 7" x 25.5")	Tower/4U Rackmount 452 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 452 x 178 x 648mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Mainstream



Mainstream



Mainstream



MODEL	SuperServer® SYS-7047R-TRF	SuperServer® SYS-7047R-72RF SYS-7047R-72RFT	SuperServer® SYS-7047R-3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Cloud and other virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing)
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 920W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 16 DIMM slots Dual Intel® 10Gb Ethernet ports SAS 2.0 support 920W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 24 DIMM slots SAS support 4 LAN ports 920W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRi-F	-72RF: SUPER® X9DRH-7F -72RFT: SUPER® X9DRH-7TF	SUPER® X9DR3-LN4F+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	4 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 4 SATA3 (6Gbp/s) ports; RAID 0, 1, 10 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0, 1, 5, 10	LSI 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	-72RF: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -72RFT: Dual 10GbBase-T with Intel® X540 10GbE Controller	Quad LAN with 2 x Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6 drives in 8x 3.5" hot-swap SAS/SATA bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	90-degree rotatable module: 2x 5.25" drive bays & 1x 3.5" drive bay; Optional DVD drive	90-degree rotatable module: 2x 5.25" drive bays & 1x 3.5" drive bay; Optional DVD drive
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**4U 4-GPU/Intel® Xeon Phi™ coprocessor
(Active Cooling)**



**4U 4-GPU/Intel® Xeon Phi™ coprocessor
(Passive Cooling)**



MODEL	SuperServer® SYS-7047GR-TRF	SuperServer® SYS-7047GR-TPRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications 	<ul style="list-style-type: none"> • GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications
Outstanding Features	<ul style="list-style-type: none"> • Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> • Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER® X9DRG-QF	SUPER® X9DRG-QF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	4x 9cm hot-swap cooling fans with optimal fan speed control 2x 8cm hot-swap exhaust fan	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan
Form Factor	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



11 PCI-E Slots



11 PCI-E Slots



MODEL	SuperServer® SYS-6047R-TXRF	SuperServer® SYS-7047R-TXRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Powerful multi tasking (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Virtualization Powerful multi tasking (financial analysis, digital video editing, engineering design, scientific computing)
Outstanding Features	<ul style="list-style-type: none"> 10 PCI-E 3.0 x8 expansion slots 600W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 10 PCI-E 3.0 x8 expansion slots 1280W Redundant Platinum Level Digital high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRX+-F	SUPER● X9DRX+-F
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 (10 FHFL) 1 PCI-E 2.0 x4	10 PCI-E 3.0 x8 (10 FHFL) 1 PCI-E 2.0 x4
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	90-degree rotatable module 3x 5.25" drive bays 1x slim DVD drive bay (optional)	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	600W Redundant Platinum Level high-efficiency power supplies with IFC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with IFC & PMBus
Cooling System	1x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with optimal fan speed control	4x 9cm hot-swap cooling fans and 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 521mm (17.2" x 7" x 20.5")	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



4U 8-GPU/Intel® Xeon Phi™ coprocessor



4U 8-GPU/Intel® Xeon Phi™ coprocessor



MODEL	SuperServer® SYS-4027GR-TR	SuperServer® SYS-4027GR-TRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud Computing with GPUs • GRID Certified Solution • HPC 	<ul style="list-style-type: none"> • Cloud Computing with GPUs • GRID Certified Solution • HPC
Outstanding Features	<ul style="list-style-type: none"> • Highest GPU density- 8 GPU / Xeon® Phi™ cards in 4U • 300W GPU / Xeon® Phi™ cards supported • 150W CPUs supported • Highest memory capacity- 24 DIMM slots • GbE / 10GbE option • Flexible expansion slots • (2+2) Redundant 1600W Platinum Level power supplies 	<ul style="list-style-type: none"> • Highest GPU density- 8 GPU / Xeon® Phi™ cards in 4U • 300W GPU / Xeon® Phi™ cards supported • 150W CPUs supported • Highest memory capacity- 24 DIMM slots • GbE / 10GbE option • Flexible expansion slots • (2+2) Redundant 1600W Platinum Level power supplies
Serverboard	SUPER® X9DRG-OF-CPU, X9DRG-O-PCI-E	SUPER® X9DRG-OTF-CPU, X9DRG-O-PCI-E
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	8x PCI-E 3.0 x16 FHFL support up to 8 double width GPU cards 2x PCI-E 3.0 x8 (in x16) 1x PCI-E 2.0 x4 (in x16)	8x PCI-E 3.0 x16 FHFL support up to 8 double width GPU cards 2x PCI-E 3.0 x8 (in x16) 1x PCI-E 2.0 x4 (in x16)
Onboard Storage Controller	Intel® C602 SCU controller for 4 SATA2 (6Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10	Intel® C602 SCU controller for 4 SATA2 (6Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual IAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS/SATA/SSD bays	24x 2.5" hot-swap SAS/SATA/SSD bays
Peripheral Bays	N/A	N/A
Power Supply	Four 1600W (2+2) Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	Four 1600W (2+2) Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Storage



Storage Expandable



MODEL	SuperStorage SSG-6047R-E1R24N	SuperStorage SSG-6047R-E1R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Socket R with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots LSI 2108 SAS2 HW RAID controller 920W Platinum Level (94%+) power supply Lights-out management Hardware RAID LSI2108(AOC) Single JBOD Expansion Port Dual JBOD expansion ports 	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management
Serverboard	SUPER® X9DRi-LN4F+	SUPER® X9DRD-7LN4F-JBOD
Chipset	Intel® C602 chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Onboard Storage Controller	LSI 2108 SAS2 HW RAID controller	LSI 2308 SAS2 HBA controller
Connectivity	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	24x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5" hot-swap SATA drive bays	24x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 660mm (17.2" x 7" x 26")	4U Rackmount 437 x 178 x 660mm (17.2" x 7" x 26")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Storage
HW SAS3 controller
Storage Expandable**



**Storage
SAS3 IT Mode controller
Storage Expandable**



MODEL	SuperStorage SSG-6047R-E1CR36N	SuperStorage SSG-6047R-E1CR36L
Processor Support	Intel® Xeon® processor E5-2600 v2 product family with QPI up to dual 8.0GT/s	Intel® Xeon® processor E5-2600 v2 product family with QPI up to dual 8.0GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • LSI 3108 SAS3 HW RAID controller • 1280W Platinum Level redundant high-efficiency power supplies • 130W CPU support • 24 DIMM slots • Dual JBOD Expansion Ports • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 management with dedicated LAN • 36x 3.5" hot-swap SAS3/SATA3 drive bays 	<ul style="list-style-type: none"> • LSI 3008 SAS3 HBA controller • 36x 3.5" Hot-swap SAS3 bays • 130W CPU support • 16 DIMM slots • 512GB DDR3 SDRAM • Dual JBOD Expansion Ports • 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER® X9DRi-LN4F+	SUPER® X9DRD-EF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 PCI-E 3.0 x8 (in x4 slot) Slot 1 & 2 occupied by controller and JBOD Expansion Port	6 PCI-E 3.0 x8 (LP, HL) Slot 1 & 2 occupied by HBA and JBOD Expansion Port
Onboard Storage Controller	LSI 3108 SAS3 HW RAID controller	LSI 3008 SAS3 HBA controller
Connectivity	2 fast UART 16550 serial; 2 COM Ports (1 rear, 1 header)	Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI2.0; SuperDoctor III; Watchdog	IPMI2.0; SuperDoctor III; Watchdog
Drive Bays	36x 3.5" hot-swap SAS3 /SATA3 drive bays; Optional 4x 2.5" internal fixed drive bays	36x 3.5" hot-swap SAS3 /SATA3 drive bays; Optional rear 2x 2.5" hot-swap drive bay; 4x 2.5" internal fixed drive bay
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Double-Sided Storage
HW RAID Expandable**



Double-Sided Storage



Double-Sided Storage



MODEL	SuperStorage SSG-6047R-E1R36N	SuperStorage SSG-6047R-E1R36L	SuperStorage SSG-6047R-E1R72L SSG-6047R-E1R72L2K
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Socket R with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Socket R with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Socket R with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications 	<ul style="list-style-type: none"> CDN Media/Streaming NAS and IP-SAN Unstructured Data Storage Virtual Tape
Outstanding Features	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots LSI 2108 SAS2 HW RAID controller 1280W Redundant Platinum Level Digital (95%) power supply Lights-out management Dual JBOD expansion ports 	<ul style="list-style-type: none"> Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller Up to 95% Power Efficiency Lights-out management Lowest Cost Per TB when fully loaded with high capacity SATA HDDs High Density Double-sided Storage 	<ul style="list-style-type: none"> 130W CPU support 16 DIMM slots Cost optimized IT Mode/HBA Supports up to 72 HDD/SSD
Serverboard	SUPER® X9DRi-LN4F+	SUPER® X9DRD-7LN4F-JBOD	SUPER® X9DRD-7LN4F-JBOD
Chipset	Intel® C602 chipset	Intel® C602J Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Low-profile)	2x slots occupied by IT Mode disk controllers LSI 2308; 4x Low profile slots available
Onboard Storage Controller	LSI 2108 SAS2 HW RAID controller	LSI 2308 SAS2 HBA controller	Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 4SATA2 (3Gbps)0,1,5,10; LSI 2308 controller for 8 SAS2 (6Gbps) ports; RAID (for -7(J) LN4F only); Optional IT Mode JBOD HDD support (-J SKU);
Connectivity	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports	Quad LAN with Intel® i350 Gigabit Ethernet Controllers;
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	36x 3.5" hot-swap SAS/SATA drive bays	36x 3.5" hot-swap SAS/SATA drive bays	72x 3.5" hot-swap SAS2/SATA3 drive bays with SES2 and 2x 2.5" rear hot swap drive bays + 2x 2.5" Internal fixed drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital (95%) high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	-E1R72L: 3x 1280W Redundant (2+1) Platinum Level Digital high-efficiency power supplies with PMBus -E1R72L2K: 2x 2000W Redundant (1+1) Platinum Level Digital high-efficiency power supplies with PMBus
Cooling System	7x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	7x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	7x 92mm hot-swap fan
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 889mm (17.2" x 7" x 35")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
2U Storage
SBB JBOD, SBB Storage



New!
3U Storage
SBB JBOD, SBB Storage



New!
4U Storage
SBB JBOD, SBB Storage



MODEL	SuperStorage SSG-927R-E2CJB	SuperStorage SSG-937R-E2CJB	SuperStorage SSG-947-E2CJB
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	<ul style="list-style-type: none"> High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> Redundant Hot-Swappable Expander Trays 4x SAS 3.0 IO ports 1200W Titanium Level high-efficiency power supply IPMI management with dedicated LAN 	<ul style="list-style-type: none"> Redundant hot-swappable expander trays 4x SAS 3.0 IO ports 1200W Titanium Level high-efficiency power supply IPMI management with dedicated LAN 	<ul style="list-style-type: none"> Redundant hot-swappable expander trays 4x SAS 3.0 IO ports 1200W Titanium Level high-efficiency power supply IPMI management with dedicated LAN
Serverboard	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Connectivity	4x SAS 3.0 IO ports	4x SAS 3.0 IO ports	4x SAS 3.0 IO ports
VGA/Audio	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Management	IPMI 2.0 with dedicated LAN	IPMI 2.0 with dedicated LAN	IPMI 2.0 with dedicated LAN
Drive Bays	24x 2.5" Drive bays	16x 3.5" hot-swap SAS drive bays	24x 3.5" hot-swap SAS drive bays
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	Redundant 1200W Titanium Level high-efficiency power supplies with I ² C and PMBus	Redundant 1200W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 1200W Platinum Level high-efficiency power supplies
Cooling System	8x 4cm PWM FANS	12x 4cm PWM cooling fans	4x 40mm Fans, 4x 80mm Fans
Form Factor	2U Rackmount 437 x 89 x 622.3mm (17.2" x 3.5" x 24.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	4U Rackmount 437 x 178 x 647mm (17.2" x 7" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
4U JBOD Storage



New!
4U JBOD Storage



New!
4U JBOD Storage



MODEL	SuperStorage CSE-946ED-R2KJBOD	SuperStorage CSE-847DE1C-R2K04JBOD CSE-847DE2C-R2K04JBOD	SuperStorage CSE-946SE1C-R1K66JBOD CSE-946SE2C-R1K66JBOD
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	<ul style="list-style-type: none"> Extreme High Density and High Capacity Dual-path Storage Enclosure 	<ul style="list-style-type: none"> Cloud backup, data Replication or High density Archive Storage Applications 	<ul style="list-style-type: none"> Cloud backup, data Replication or High density Archive Storage Applications
Outstanding Features	<ul style="list-style-type: none"> Support 90x 3.5" or 2.5" Top Loading SAS3 12Gbps Hot-swappable HDDs Hot-swappable Expanders with redundant BMC for Remote System Power on/off and monitoring Hot-swappable Tool-less Modular Design for Easy Service and Easy Maintenance High Performance up to 20+ Gbps data transfer rate Flexible to configure up to 4 Hosts HDD Zoning and individual HDD power cycling Slide Rails and Cable Management Arm included 	<ul style="list-style-type: none"> 90x 3.5" hot-swappable HDDs in 45 drive bays Dual/Single Expander Board and Front/Rear Backplane Boards support SAS3/2 or SATA3 HDDs with 12Gbps throughput 8x Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements Support NTP for time synchronization & RTC battery backup 	<ul style="list-style-type: none"> 60x 3.5" Top Loading SAS3/SATA3 12Gb/s Hot Swapping HDD/SSD Bays Dual/Single Expander Backplane Board(s) support SAS3/2 HDDs with 12Gb/s throughput 8x Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements Cable Management Arm included Support front LCD panel for system status & error info (Option)
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Connectivity/VGA/Audio	Dual Hot-swappable SAS3 expander w/ mini SAS HD connectors	Dual/Single SAS3 expander backplane w/ miniSAS HD connectors	Dual/Single Expander Backplane Board(s) support SAS3/2 HDDs with 12Gb/s throughput
Management	Redundant IPMI 2.0 with dedicated LAN port	IPMI 2.0 with dedicated LAN port	IPMI 2.0 with dedicated LAN port
Drive Bays	90x 3.5"/2.5" hot-swap SAS drive bay with SES3	90x 3.5" HDDs in 45x Hot-swap Drive Bays (2x HDD per bay)	60x 3.5"/2.5" Top-Loading SAS3 Hot-Swap Drive Bays
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	4x 1U 1000W Redundant Titanium Level Power Supply	2000W (1+1) Redundant Titanium Level Power Supply	1600W (1+1) Redundant Platinum Level High-efficiency Power Supplies
Cooling System	5x 80mm heavy duty fans with PWM fan speed control	7x 92mm high efficient hot-swappable fans for best system cooling	5x 80mm Hot-swap Fans
Form Factor	4U Rackmount 447 x 178 x 906mm (17.6" x 7" x 35.66")	4U Rackmount 447 x 178 x 889mm (17.6" x 7" x 35")	4U Rackmount 447 x 178 x 767mm (17.6" x 7" x 30.2")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



SUPER
JBOD
Solutions

New!
4U JBOD Storage



Front View



Rear View

New!
4U JBOD Storage



Front View



Rear View

New!
4U JBOD Storage



Front View - 48x 2.5" HDDs



Rear View - 24x 2.5" HDDs

MODEL	SuperStorage CSE-847E1C-R1K28JBOD CSE-847E2C-R1K28JBOD	SuperStorage CSE-846BE1C-R1K03JBOD CSE-846BE2C-R1K03JBOD	SuperStorage CSE-417BE1C-R1K23JBOD CSE-417BE2C-R1K23JBOD
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	<ul style="list-style-type: none"> Cloud backup, data Replication or High density Archive Storage Applications 	<ul style="list-style-type: none"> Cloud Backup, Data Replication, or High Density Archive Storage Applications 	<ul style="list-style-type: none"> Cloud Backup, Data Replication, or High Density Archive Storage Applications
Outstanding Features	<ul style="list-style-type: none"> 44x (24 front + 20 rear) 3.5" hot-swap SAS3 HDD bays with Single/Dual SAS3 expanders w/ MiniSAS HD connectors 1280W Platinum Level redundant power supplies with PMBus function Dual/Single SAS3 (12 Gbps) expander backplane; E2C: Dual SAS3 (12 Gbps) expander backplane; 	<ul style="list-style-type: none"> 4U Storage JBOD Chassis with capacity 24 x 3.5" hot-swappable HDDs bays Single/Dual Expanders Backplane Boards support SAS3/2 or SATA3 HDDs with 12Gb/s throughput 8x (Dual Expander) / 4x (Single Expander) Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements 	<ul style="list-style-type: none"> 4U JBOD storage chassis with capacity 72x (48 front + 24 rear) 2.5" hot-swap HDD bays SAS3 (12Gbps) dual/single expander backplanes Redundant 1200W Titanium Level (1+1) power supplies with PMBus Optimized thermal solution with 100% redundant cooling design
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Connectivity/VGA/Audio	Dual/Single SAS3 (12Gbps) expanders w/ mini SAS HD connectors	Dual/Single SAS3 (12Gbps) expanders w/ mini SAS HD connectors	Dual/Single SAS3 (12Gbps) expander backplanes
Management	IPMI 2.0 with dedicated LAN port	IPMI 2.0 with dedicated LAN port	IPMI 2.0 with dedicated LAN port
Drive Bays	44x (24 front + 20 rear) 3.5" hot-swap SAS3 drive bays w/SES3	24x 3.5" hot-swap SAS3 drive bays w/ SES-3	72x (48 front + 24 rear) 2.5" hot-swap HDD bays
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	Redundant (1+1) 1280W Platinum Level Digital power supply with PMBus	Redundant (1+1) 1280W Platinum Level Digital power supply with PMBus	<ul style="list-style-type: none"> Redundant 1200W Titanium Level (1+1) power supplies with PMBus
Cooling System	7x 80mm Hot-swap Fans	3x 80mm hot-swap redundant PWM cooling fans 2x 80mm hot-swap exhaust fans & air shroud	7x 80mm hot-swap redundant cooling fans
Form Factor	4U Rackmount 447 x 178 x 699mm (17.6" x 7" x 27.5")	4U Rackmount 447 x 178 x 660mm (17.6" x 7" x 26")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New!
2U JBOD Storage



Rear View

New!
2U JBOD Storage



New!
2U JBOD Storage



MODEL	SuperStorage CSE-826SE1C-R1K02JBOD	SuperStorage CSE-826BE1C-R741JBOD CSE-826BE2C-R741JBOD	SuperStorage CSE-216BE1C-R741JBOD CSE-216BE2C-R741JBOD
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	<ul style="list-style-type: none"> Cloud Backup, Data Replication, or High Density Archive Storage Applications 	<ul style="list-style-type: none"> Cloud Backup, Data Replication, or High Density Archive Storage Applications 	<ul style="list-style-type: none"> Cloud Backup, Data Replication, or High Density Archive Storage Applications
Outstanding Features	<ul style="list-style-type: none"> 24x (12 front + 12 middle) 3.5" hot-swap SAS/SATA drive bays supporting SAS3/2 or SATA3 HDDs with 12Gbps throughput Redundant 1000W Titanium Level (1+1) power supplies with PMBus 5x 8cm (middle) hot-swap redundant cooling fans Single SAS3 (12Gbps) expander backplane 4x External mini SAS HD Cable Management Arm included 	<ul style="list-style-type: none"> 12x 3.5" hot-swappable HDDs bays Dual/Single Expander Backplane Boards support SAS3/2 or SATA3 HDDs with 12Gb/s throughput 8x (Dual Expander) / 4x (Single Expander) Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements 	<ul style="list-style-type: none"> 24x 2.5" hot-swappable HDDs bays Dual/Single Expander Backplane Boards support SAS3/2 or SATA3 HDDs with 12Gb/s throughput 8x (Dual Expander) / 4x (Single Expander) Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Connectivity/VGA/Audio	Single SAS3 (12Gbps) expander backplane w/ mini SAS HD connectors	Dual/Single SAS3 (12Gbps) expanders w/ mini SAS HD connectors	Dual/Single SAS3 (12Gbps) expanders w/ mini SAS HD connectors
Management	IPMI 2.0 with dedicated LAN port	IPMI 2.0 with dedicated LAN port	IPMI 2.0 with dedicated LAN port
Drive Bays	24x (12 front + 12 middle) 3.5" hot-swap SAS3/SATA3 (12Gbps) Hot-Swap Drive Bays	12x 3.5" SAS3 (12Gbps) Hot-Swap Drive Bays	24x 2.5" SAS3 (12Gbps) Hot-Swap Drive Bays
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	Redundant 1000W Titanium Level (1+1) power supplies with PMBus	Redundant 740W (1+1) 95% efficient Platinum Level power supplies	Redundant 740W (1+1) 95% efficient Platinum Level power supplies
Cooling System	5x 80mm (middle) hot-swap redundant cooling fans	3x 80mm (middle) hot-swap redundant cooling fans	3x 80mm (middle) hot-swap redundant cooling fans
Form Factor	2U Rackmount 437 x 89 x 863mm (17.2" x 3.5" x 34")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Intel® Xeon® Processor E5-2600 v4 Product Family Supported

BigTwin™ / TwinPro™ / Twin

Up to 8 PCI-E SSDs • Four or Two Hot-Pluggable Nodes in 2U • 2 nodes in 1U

Supports up to: • 44 Cores per Node and 145W TDP • 3TB DDR4-2400MHz in 24 DIMMs • SAS 3.0 (12Gbps) • NVMe

• 2+1 AOC • 12 HDDs/Node • FDR (56Gbps) InfiniBand/40G Ethernet • 10GBase-T • Redundant Titanium Level Digital Power

BigTwin™ / TwinPro™ / Twin

BigTwin™

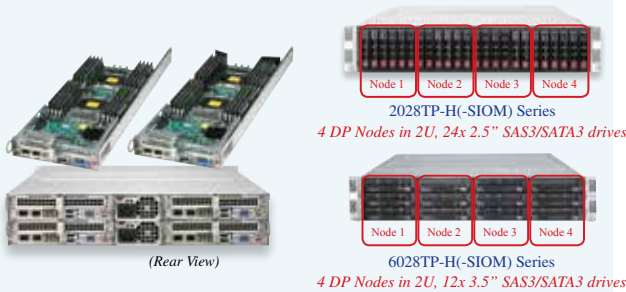
BigTwin™ Features:

- 4 hot swappable nodes in 2U
- 24 DIMMs per node
- 24x NVMe Support (-HNR+)
- 1 SIOM card support
- 2 low-profile PCI-E x16 slots
- Quad set of IPMI 2.0 + KVM with dedicated LAN
- Redundant 2200W High Efficiency (96%) Power Supplies



Front View Rear View
SYS-2028BT-HTR+ / SYS-2028BT-HNR+
4 DP Nodes in 2U, 24x 2.5" NVMe/SAS3/SATA3 drives

TwinPro²™ / SIOM



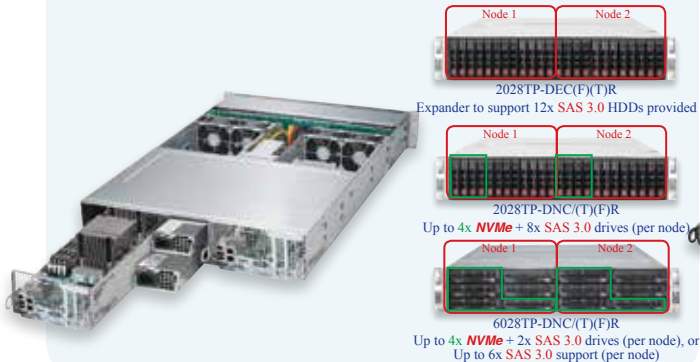
(Rear View)



Twin²™ / Twin



2U TwinPro™



1U TwinPro™



New! 2U BigTwin™

4 hot swappable nodes in 2U

Redundant Titanium Level power supplies



Front View



Rear View

MODEL	SuperServer® SYS-2028BT-HTR+	SuperServer® SYS-2028BT-HNR+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-critical applications 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-critical applications
Outstanding Features	<ul style="list-style-type: none"> • 4 hot swappable nodes in 2U • 2 low profile PCI-E x16 slot • 24 DIMMs per node • 1 SIOM card support • 2 low-profile PCI-E x16 slots • 2200W High Efficiency (96%) Redundant Power Supplies 	<ul style="list-style-type: none"> • 24x NVMe Support • 4 hot swappable nodes in 2U • 2 low profile PCI-E x16 slot • 24 DIMMs per node • 1 SIOM card support • 2 low-profile PCI-E x16 slots • 2200W High Efficiency (96%) Redundant Power Supplies
Serverboard	SUPER® X10DRT-B+	SUPER® X10DRT-B+
Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 3TB ECC 3DS LRDIMM, 768GB ECC RDIMM 2400MHz, in 24 DIMM slots per Node	Up to 3TB ECC 3DS LRDIMM, 768GB ECC RDIMM 2400MHz, in 24 DIMM slots per Node
Expansion Slots	2 PCI-E 3.0 X16 (LP) 1 SIOM card support Note: Must bundle with Network Card	2 PCI-E 3.0 X16 (LP) 1 SIOM card support Note: Must bundle with Network Card
Onboard Storage Controller	Intel C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	SIOM Networking AOC Matrix	SIOM Networking AOC Matrix
VGA/Audio	Aspeed AST2400 BMC	Aspeed AST2400 BMC
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6x 2.5" hot-swap SATA3 drive bays	Quad set of 6x 2.5" hot-swap NVMe drive bays
Power Supply	Redundant 2200W Titanium Level high-efficiency power supplies with I²C & PMbus	Redundant 2200W Titanium Level high-efficiency power supplies with I²C & PMbus
Cooling System	4x 8cm heavy duty PWM fans with air shroud	4x 8cm heavy duty PWM fans with air shroud
Form Factor	2U Rackmount	2U Rackmount

* Please check with your Supermicro sales representative and website for compatibility and configuration details

BigTwin™/TwinPro™/Twin

New! 1U TwinPro™

2 hot swappable nodes in 1U
Redundant Titanium Level power supplies



MODEL	SuperServer® SYS-1028TP-DC0R SYS-1028TP-DC1R	SuperServer® SYS-1028TP-DC0TR SYS-1028TP-DC1TR	SuperServer® SYS-1028TP-DC0FR SYS-1028TP-DC1FR
Processor Support	Dual set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s, CPU support up to 145W TDP	Dual set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s, CPU support up to 145W TDP	Dual set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s, CPU support up to 145W TDP
Key Applications	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U LSI 3108 SAS3 controller (DC1R) LSI 3008 SAS3 controller (DC0R) 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® i350-AM2 Dual port GbE LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U LSI 3108 SAS3 controller (DC1TR) LSI 3008 SAS3 controller (DC0TR) 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® X540 Dual port 10GBase-T LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U LSI 3108 SAS3 controller (DC1FR) LSI 3008 SAS3 controller (DC0FR) 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Single port FDR (56Gbps) IB w/ QSFP connector Intel® i350 Dual port GbE LAN 1000W Redundant Power Supplies
Serverboard	SUPER® X10DRT-P	SUPER® X10DRT-PT	SUPER® X10DRT-PIBF
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Dual set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Dual set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Dual set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Dual set of Low-profile PCI-E x16 slot 1x "0" slot (-DC0R)	Dual set of Low-profile PCI-E x16 slot 1x "0" slot (-DC0TR)	Dual set of Low-profile PCI-E x16 slot 1x "0" slot (-DC0FR)
Onboard Storage Controller	-DC0R: Dual set of LSI 3008 SW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,10; -DC1R: Dual set of LSI 3108 HW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,5,6,10	-DC0TR: Dual set of LSI 3008 SW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,10; -DC1TR: Dual set of LSI 3108 HW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,5,6,10	-DC0FR: Dual set of LSI 3008 SW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,10; -DC1FR: Dual set of LSI 3108 HW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,5,6,10
Connectivity	Dual set of Dual 1GbE ports with Intel® i350 Ethernet controller	Dual set of Dual 10GBase-T ports with Intel® X540 Ethernet controller	Dual set of Dual 1GbE ports with Intel® i350 Ethernet controller, and; Dual set of Single FDR infiniband port with Mellanox Connect-X3
VGA/Audio	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC
Management	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Dual set of 4x 2.5" hot-swap SAS3/SATA3 drive bays	Dual set of 4x 2.5" hot-swap SAS3/SATA3 drive bays	Dual set of 4x 2.5" hot-swap SAS3/SATA3 drive bays
Power Supply	1000W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control
Form Factor	1U Rackmount	1U Rackmount	1U Rackmount

* Please check with your Supermicro sales representative and website for compatibility and configuration details

TwinPro™/Twin

New! 1U TwinPro™

2 hot swappable nodes in 1U
Redundant Titanium Level power supplies



TwinPro™/Twin

MODEL	SuperServer® SYS-1028TP-DTR	SuperServer® SYS-1028TP-DTTR	SuperServer® SYS-1028TP-DTFR
Processor Support	Dual set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s, CPU support up to 145W TDP	Dual set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s, CPU support up to 145W TDP	Dual set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s, CPU support up to 145W TDP
Key Applications	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® i350 Dual port GbE LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® X540 Dual port 10GBase-T LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Single port FDR (56Gbps) IB w/ QSFP connector Intel® i350 Dual port GbE LAN 1000W Redundant Power Supplies
Serverboard	SUPER® X10DRT-P	SUPER® X10DRT-PT	SUPER® X10DRT-PIBF
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Dual set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Dual set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Dual set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Dual set of low-profile PCI-E x16; 1x "0" slot	Dual set of low-profile PCI-E x16; 1x "0" slot	Dual set of low-profile PCI-E x16; 1x "0" slot
Onboard Storage Controller	Dual set of Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Dual set of Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Dual set of Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Dual set of Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	Dual set of Dual LAN with Intel® i350 Gigabit Ethernet controller Dual set of Single FDR infiniband with Mellanox Connect-X3
VGA/Audio	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC
Management	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Dual set of 4x 2.5" hot-swap SATA drive bays	Dual set of 4x 2.5" hot-swap SATA drive bays	Dual set of 4x 2.5" hot-swap SATA drive bays
Power Supply	1000W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control
Form Factor	1U Rackmount	1U Rackmount	1U Rackmount

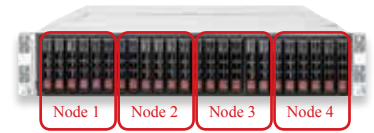
* Please check with your Supermicro sales representative and website for compatibility and configuration details

New! SIOM Support on 2U TwinPro²™

4 hot-swap nodes in 2U w/ 2.5" HDDs, Up to 2 Low Profile PCI-E Cards + 1 SIOM Card



(Rear View)



SYS-2028TP-H Series
4 DP Nodes in 2U, 24x 2.5" SAS/SATA3 drives

MODEL	SuperServer® SYS-2028TP-HTR-SIOM	SuperServer® SYS-2028TP-HC1R-SIOM	SuperServer® SYS-2028TP-HC0R-SIOM
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 2 Low-profile PCI-E slots • 1 SIOM card support • IPMI 2.0 + KVM with dedicated LAN • QUAD set of 6 hot-swap 2.5" SATA drive bays 	<ul style="list-style-type: none"> • 2 Low-profile PCI-E slots • 1 SIOM card support • IPMI 2.0 + KVM with dedicated LAN • QUAD set of 6 hot-swap 2.5" SAS/SATA drive bays 	<ul style="list-style-type: none"> • 2 Low-profile PCI-E slots • 1 SIOM card support • IPMI 2.0 + KVM with dedicated LAN • QUAD set of 6 hot-swap 2.5" SAS/SATA drive bays
Serverboard	SUPER● X10DRT-PS	SUPER● X10DRT-PS	SUPER● X10DRT-PS
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of 1x PCI-E 3.0 LP x16; 1x PCI-E 3.0 LP x8; 1x SIOM card support	Quad set of 1x PCI-E 3.0 LP x16; 1x PCI-E 3.0 LP x8; 1x SIOM card support	Quad set of 1x PCI-E 3.0 LP x16; 1x PCI-E 3.0 LP x8; 1x SIOM card support
Onboard Storage Controller	Quad set of Intel® C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Quad set of LSI 3108 HW RAID 12Gbps SAS 3.0 controller for RAID 0,1,5,6,10,50 w/optional SuperCap	Quad set of LSI 3008 SW RAID 12Gbps SAS 3.0 controller for RAID 0,1,10
Connectivity	Quad set of single IPMI 2.0 + KVM with dedicated LAN only. Need to bundle with network card	Quad set of single IPMI 2.0 + KVM with dedicated LAN only. Need to bundle with network card	Quad set of single IPMI 2.0 + KVM with dedicated LAN only. Need to bundle with network card
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New! SIOM Support on 2U TwinPro²TM

4 hot-swap nodes in 2U w/ 3.5" HDDs, Up to 2 Low Profile PCI-E Cards + 1 SIOM Card



(Rear View)



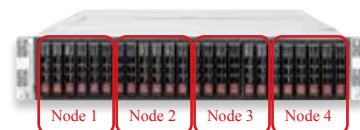
SYS-6028TP-H Series
4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

MODEL	SuperServer [®] SYS-6028TP-HTR-SIOM	SuperServer [®] SYS-6028TP-HC1R-SIOM	SuperServer [®] SYS-6028TP-HC0R-SIOM
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 2 Low-profile PCI-E slots • 1 SIOM card support • IPMI 2.0 + KVM with dedicated LAN • QUAD set of 3 hot-swap 3.5" SATA drive bays 	<ul style="list-style-type: none"> • 2 Low-profile PCI-E slots • 1 SIOM card support • IPMI 2.0 + KVM with dedicated LAN • QUAD set of 6 hot-swap 2.5" SAS/ SATA drive bays 	<ul style="list-style-type: none"> • 2 Low-profile PCI-E slots • 1 SIOM card support • IPMI 2.0 + KVM with dedicated LAN • QUAD set of 6 hot-swap 2.5" SAS/ SATA drive bays
Serverboard	SUPER [®] X10DRT-PS	SUPER [®] X10DRT-PS	SUPER [®] X10DRT-PS
Chipset	Intel [®] C612 Chipset	Intel [®] C612 Chipset	Intel [®] C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of 1x PCI-E 3.0 LP x16; 1x PCI-E 3.0 LP x8; 1x SIOM card support	Quad set of 1x PCI-E 3.0 LP x16; 1x PCI-E 3.0 LP x8; 1x SIOM card support	Quad set of 1x PCI-E 3.0 LP x16; 1x PCI-E 3.0 LP x8; 1x SIOM card support
Onboard Storage Controller	Quad set of Intel [®] C612 controller for 3 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Quad set of LSI 3108 HW RAID 12Gbps SAS 3.0 controller for RAID 0,1,5 w/ optional SuperCap	Quad set of LSI 3008 SW RAID 12Gbps SAS 3.0 controller for RAID 0,1
Connectivity	Quad set of single IPMI 2.0 + KVM with dedicated LAN only. Need to bundle with network card	Quad set of single IPMI 2.0 + KVM with dedicated LAN only. Need to bundle with network card	Quad set of single IPMI 2.0 + KVM with dedicated LAN only. Need to bundle with network card
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel [®] Node Manager, SUM, SPM, SSM, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel [®] Node Manager, SUM, SPM, SSM, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel [®] Node Manager, SUM, SPM, SSM, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 774mm (17.25" x 3.47" x 30.5")	2U Rackmount 438 x 88 x 774mm (17.25" x 3.47" x 30.5")	2U Rackmount 438 x 88 x 774mm (17.25" x 3.47" x 30.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

2U TwinPro²TM

4 hot-swap nodes in 2U w/ 2.5" or 3.5" HDDs
New! Intel® Xeon® Processor E5-2600 v4 product family support



SYS-2028TP-H Series
4 DP Nodes in 2U, 24x 2.5" SAS/SATA drives

MODEL	SuperServer® SYS-2028TP-HC1R SYS-2028TP-HC1TR SYS-2028TP-HC1FR	SuperServer® SYS-2028TP-HC0R SYS-2028TP-HC0TR SYS-2028TP-HC0FR	SuperServer® SYS-2028TP-HTR SYS-2028TP-HTTR SYS-2028TP-HTFR
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB
Serverboard	-HC1R: SUPER® X10DRT-P -HC1TR: SUPER® X10DRT-PT -HC1FR: SUPER® X10DRT-PIBF	-HC0R: SUPER® X10DRT-P -HC0TR: SUPER® X10DRT-PT -HC0FR: SUPER® X10DRT-PIBF	-HTR: SUPER® X10DRT-P -HTTR: SUPER® X10DRT-PT -HTFR: SUPER® X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E 3.0 x16	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of LSI 3108 HW RAID SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50 w/ optional SuperCap	Quad set of LSI 3008 SW RAID 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of Intel® C612 AHCI controller for 6 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC1TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC1FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HC0R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC0TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC0FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HTR: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HTTR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HTFR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SATA drive bays
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

TwinPro™/Twin

2U TwinPro²™

4 hot-swap nodes in 2U w/ 3.5" HDDs
New! Intel® Xeon® Processor E5-2600 v4 product family support



SYS-6028TP-H Series
4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

MODEL	SuperServer® SYS-6028TP-HC1R SYS-6028TP-HC1TR SYS-6028TP-HC1FR	SuperServer® SYS-6028TP-HC0R SYS-6028TP-HC0TR SYS-6028TP-HC0FR	SuperServer® SYS-6028TP-HTR SYS-6028TP-HTTR SYS-6028TP-HTFR
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR
Serverboard	-HC1R: SUPER● X10DRT-P -HC1TR: SUPER● X10DRT-PT -HC1FR: SUPER● X10DRT-PIBF	-HC0R: SUPER● X10DRT-P -HC0TR: SUPER● X10DRT-PT -HC0FR: SUPER● X10DRT-PIBF	-HTR: SUPER● X10DRT-P -HTTR: SUPER● X10DRT-PT -HTFR: SUPER● X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E 3.0 x16	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of LSI 3108 HW RAID SAS 3.0 (12Gbps); RAID 0,1,5 w/ optional SuperCap	Quad set of LSI 3008 SW RAID 12Gbps SAS 3.0 controller; RAID 0,1	Quad set of Intel® C612 AHCI controller for 3 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC1TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC1FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HC0R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC0TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC0FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HTR: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HTTR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HTFR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SATA drive bays
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

2U TwinPro™

2 hot-swap nodes in 2U w/ up to 4 NVMe per Node
New! Intel® Xeon® Processor E5-2600 v4 product family support



SYS-2028TP-DNC/(T)(F)R
Up to 4x NVMe + 8x SAS 3.0 drives (per node)



SYS-6028TP-DNC/(T)(F)R
Up to 4x NVMe + 2x SAS 3.0 drives (per node), or
Up to 6x SAS 3.0 support (per node)

MODEL	SuperServer® SYS-2028TP-DNCR SYS-2028TP-DNCTR SYS-2028TP-DNCFR	SuperServer® SYS-6028TP-DNCR SYS-6028TP-DNCTR SYS-6028TP-DNCFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • NVMe support • Up to 2 Low Profile Add-On-Cards • Redundant 1600W Titanium Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support 	<ul style="list-style-type: none"> • NVMe support • Up to 2 Low Profile Add-On-Cards • Redundant 1600W Titanium Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support
Serverboard	-DNCR: SUPER® X10DRT-P -DNCTR: SUPER® X10DRT-PT -DNCFR: SUPER® X10DRT-PIBF	-DNCR: SUPER® X10DRT-P -DNCTR: SUPER® X10DRT-PT -DNCFR: SUPER® X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	Twin set of LSI 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of LSI 3008 SAS 3.0 (12Gbps); RAID 0,1,10
Connectivity	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set 4x NVMe + 8x SAS 3.0 drives	Twin set of 6x 3.5" hot-swap drive bays. Up to 4x NVMe + 2x SAS 3.0 drives (per node); or, up to 6x SAS 3 support
Power Supply	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New! 2U TwinPro™

2 hot-swap nodes in 2U w/ 2.5" HDDs
New! Intel® Xeon® Processor E5-2600 v4 product family support



SuperServer® SYS-2028TP-DECR SYS-2028TP-DECFR SYS-2028TP-DECTR	SuperServer® SYS-2028TP-DC1R SYS-2028TP-DC1TR SYS-2028TP-DC1FR	SuperServer® SYS-2028TP-DC0R SYS-2028TP-DC0TR SYS-2028TP-DC0FR	SuperServer® SYS-2028TP-DTR SYS-2028TP-DTTR SYS-2028TP-DTFR
Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
<ul style="list-style-type: none"> • SAS3 3008 with Expander • Up to 2 Low Profile Add-On-Cards + 0 slot • 1280W Platinum Level redundant high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support • 12 hot-swap 2.5" SAS/SATA drive bays per node 	<ul style="list-style-type: none"> • Up to 2 Low Profile Add-On-Cards • Redundant 1280W Platinum Level high-efficiency power supplies • GPU/Intel® Xeon Phi™ coprocessor or one x16 Internal slot Support • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support 	<ul style="list-style-type: none"> • Up to 2 Low Profile Add-On-Cards + 0 slot • Redundant 1280W Platinum Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support • (Full size) mSATA support 	<ul style="list-style-type: none"> • Up to 2 Low Profile Add-On-Cards • Redundant 1280W Platinum Level high-efficiency power supplies • GPU/Intel® Xeon Phi™ coprocessor or one x16 Internal slot Support • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • (Full size) mSATA support
-DECR: SUPER® X10DRT-P -DECFR: SUPER® X10DRT-PIBF -DNCFTFR: SUPER® X10DRT-PT	-DC1R: SUPER® X10DRT-P -DC1TR: SUPER® X10DRT-PT -DC1FR: SUPER® X10DRT-PIBF	-DC0R: SUPER® X10DRT-P -DC0TR: SUPER® X10DRT-PT -DC0FR: SUPER® X10DRT-PIBF	-DTR: SUPER® X10DRT-P -DTTR: SUPER® X10DRT-PT -DTFR: SUPER® X10DRT-PIBF
Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 and 1 "Zero Slot" card	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 "0 slot"	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support
Twin set of LSI 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of SAS3 LSI 3108 HW RAID (12Gbps); RAID 0,1,5,6,10,50,60 w/ optional SuperCap	Twin set of LSI 3008 SAS 3.0 12Gbps controller; SW RAID 0,1,10	Twin set of Intel® C612 controller for 8 SATA3 (6Gbps); RAID 0,1,5,10
-DECR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller -DECFR: Twin set of FDR (Connect-X3) / 40G Ethernet -DNCFTFR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-DC1R: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DC1TR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DC1FR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-DC0R: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DC0TR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DC0FR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-DTR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DTTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DTFR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet
Twin set of AST2400 VGA	Twin set of AST2400 VGA	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Twin set 12x 2.5" hot-swap SAS 3008 with Expander	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Twin set of 8x 2.5" hot-swap SATA drive bays
Redundant 1280W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

2U Twin

Cost-Optimized, 2 hot-swap nodes in 2U w/ 12x 3.5" HDDs
New! Intel® Xeon® Processor E5-2600 v4 product family support



(Rear View)



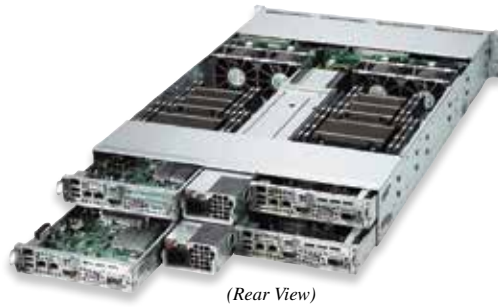
2 DP Nodes in 2U, 6x 3.5" HDD drives per Node

MODEL	SuperServer® SYS-6028TR-DTR	SuperServer® SYS-6028TR-D72R
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Data Center • Web Server • HPC • Virtualization 	<ul style="list-style-type: none"> • Data Center • Web Server • HPC • Virtualization
Outstanding Features	<ul style="list-style-type: none"> • 8 DIMM slots • IPMI 2.0 + KVM with dedicated LAN • 2x SATADOM • 2 hot-swappable nodes in 2U • 1280W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> • LSI 2208 • 8 DIMM slots • IPMI 2.0 + KVM with dedicated LAN • 2x SATADOM • 2 hot-swappable nodes in 2U • 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPERMICRO® X10DRT-H	SUPERMICRO® X10DRT-H
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Twin set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	Twin set of 2x PCI-E 3.0 x8 (FHHL); 1x PCI-E 3.0 x8 (LP)	Twin set of 2x PCI-E 3.0 x8 (FHHL); 1x PCI-E 3.0 x8 (LP)
Onboard Storage Controller	Twin set of Intel® C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,10	Twin set of SAS2 (6Gbps) via LSI 2208; HW RAID supports 0, 1, 5, 6, 10, 50
Connectivity	Twin set of dual LAN with Intel® i350 Gigabit Ethernet controller	Twin set of dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap SATA3 HDDs	Twin set of 6x 3.5" hot-swap SAS2/SATA3 (LSI 2208) HDDs
Power Supply	Redundant 1280W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 80mm heavy duty fans with PWM fan speed control	4x 80mm heavy duty fans with PWM fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

2U Twin²TM

Cost-Optimized, 4 hot-swap nodes in 2U w/ 12x 3.5" and 24x 2.5" HDDs
New! Intel® Xeon® Processor E5-2600 v4 product family support



MODEL	SuperServer® SYS-6028TR-HTR SYS-6028TR-HTFR	SuperServer® SYS-2028TR-H72R SYS-2028TR-H72FR SYS-2028TR-HTR SYS-2028TR-HTFR
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> Data Center Web Server HPC Virtualization 	<ul style="list-style-type: none"> Data Center Web Server HPC Virtualization
Outstanding Features	<ul style="list-style-type: none"> 1600W Redundant Titanium Level high-efficiency power supplies 8 DIMM slots IPMI 2.0 + KVM with dedicated LAN 2x SATADOM 4 hot-swappable nodes in 2U 	<ul style="list-style-type: none"> LSI 2208 1600W Redundant Titanium Level high-efficiency power supplies 8 DIMM slots IPMI 2.0 + KVM with dedicated LAN 2x SATADOM 4 hot-swappable nodes in 2U
Serverboard	-HTR: SUPER® X10DRT-H -HTFR: SUPER® X10DRT-HIBF	-H72R/HTR: SUPER® X10DRT-H -H72FR/HTFR: SUPER® X10DRT-HIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Quad set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 Low-profile	Quad set of 1 PCI-E 3.0 x16 Low-profile
Onboard Storage Controller	Quad set of Intel® C612 controller for 3 SATA3 (6 Gbps) ports; RAID 0,1	Quad set of SAS2 (6Gbps) via LSI 2208; HW RAID supports 0,1,5,6,10,50
Connectivity	-HTR: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -HTFR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR	-H72R: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -H72FR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR -HTR: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -HTFR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA3 HDDs	Quad set of 6x 2.5" hot-swap SAS2 HDDs
Power Supply	Redundant 1600W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 80mm heavy duty fans with PWM fan speed control	4x 80mm heavy duty fans with PWM fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

TwinPro™/Twin

1U Twin ^{TITANIUM}

Cost-Optimized, 2 nodes in 1U w/ 4x 3.5" and 8x 2.5" HDDs
New! Intel® Xeon® Processor E5-2600 v4 product family support



MODEL	SuperServer® SYS-6018TR-T SYS-6018TR-TF	SuperServer® SYS-1028TR-T SYS-1028TR-TF
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • HPC • Data Center • Front End Server 	<ul style="list-style-type: none"> • HPC • Data Center • Front End Server
Outstanding Features	<ul style="list-style-type: none"> • 1000W Titanium Level high-efficiency power supply • IPMI 2.0 Management • IPMI 2.0 + KVM with dedicated LAN • 56Gbps InfiniBand controller onboard (-TF) 	<ul style="list-style-type: none"> • 1000W Titanium Level high-efficiency power supply • IPMI 2.0 Management • IPMI 2.0 + KVM with dedicated LAN • 56Gbps InfiniBand controller onboard (-TF)
Serverboard	-T: SUPER® X10DRT-L -TF: SUPER® X10DRT-LIBF	-T: SUPER® X10DRT-L -TF: SUPER® X10DRT-LIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Twin set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16 (in x16 slot)	Twin set of 1 PCI-E 3.0 x16 (in x16 slot)
Onboard Storage Controller	Twin set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Twin set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-T: Twin set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -TF: Twin set of FDR (Connect-X3) 56Gbps InfiniBand controller onboard	-T: Twin set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -TF: Twin set of FDR (Connect-X3) 56Gbps InfiniBand controller onboard
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 2x 3.5" hot-swap SATA drive bays	Twin set of 4x 2.5" hot-swap SATA drive bays
Power Supply	1000W Titanium Level high-efficiency power supplies	1000W Titanium Level high-efficiency power supplies
Cooling System	6x 40x56mm counter-rotation PWM fan	6x 40x56mm counter-rotation PWM fan
Form Factor	1U Twin 437 x 44.45 x 705mm (17.2" x 1.75" x 27.75")	1U Twin 437 x 44.45 x 705mm (17.2" x 1.75" x 27.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U TwinPro²



2U TwinPro²



MODEL	SuperServer [®] SYS-2027PR-HTR SYS-2027PR-HTTR SYS-2027PR-HTFR	SuperServer [®] SYS-2027PR-HC0R SYS-2027PR-HC0TR SYS-2027PR-HC0FR
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays
Serverboard	<p>-HTR: SUPER[®] X9DRT-P -HTTR: SUPER[®] X9DRT-PT -HTFR: SUPER[®] X9DRT-PIBF</p>	<p>-HC0R: SUPER[®] X9DRT-P -HC0TR: SUPER[®] X9DRT-PT -HC0FR: SUPER[®] X9DRT-PIBF</p>
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of Intel [®] C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Quad set of LSI 3008 12Gbps SAS 3.0 controller; RAID 0,1,10
Connectivity	<p>-HTR: Quad set of Dual LAN with Intel[®] Ethernet Controller i350-AM2; -HTTR: Quad set of Dual LAN with Intel[®] X540 10GBase-T Ethernet Controller; -HTFR: Quad set of Dual LAN with Intel[®] Ethernet Controller i350-AM2; 1 M, QSFP connector</p>	<p>-HC0R: Quad set of Dual LAN with Intel[®] Ethernet Controller i350-AM2; -HC0TR: Quad set of Dual LAN with Intel[®] X540 10GBase-T Ethernet Controller; -HC0FR: Quad set of Dual LAN with Intel[®] Ethernet Controller i350-AM2; 1 M, QSFP connector</p>
VGA/Audio	Quad set of Matrox [®] G200eW graphics	Quad set of Matrox [®] G200eW graphics
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U TwinPro^{2™}



2U TwinPro^{2™}



TwinPro™/Twin

MODEL	SuperServer [®] SYS-6027PR-HC0R SYS-6027PR-HC0TR SYS-6027PR-HC0FR	SuperServer [®] SYS-6027PR-HC1R SYS-6027PR-HC1TR SYS-6027PR-HC1FR
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays
Serverboard	-HC0R: SUPER [®] X9DRT-P -HC0TR: SUPER [®] X9DRT-PT -HC0FR: SUPER [®] X9DRT-PIBF	-HC1R: SUPER [®] X9DRT-P -HC1TR: SUPER [®] X9DRT-PT -HC1FR: SUPER [®] X9DRT-PIBF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16
Onboard Storage Controller	Quad set of LSI 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of LSI 3108 SAS 3.0 (12Gbps); RAID 0,1,5,10
Connectivity	-HC0R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC0TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC0FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC1R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC1TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC1FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Matrox [®] G200eW graphics	Quad set of Matrox [®] G200eW graphics
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2U TwinPro²



2U TwinPro²



MODEL	SuperServer [®] SYS-2027PR-HC1R SYS-2027PR-HC1TR SYS-2027PR-HC1FR	SuperServer [®] SYS-6027PR-HTR SYS-6027PR-HTTR SYS-6027PR-HTFR
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays
Serverboard	-HC1R: SUPER [®] X9DRT-P -HC1TR: SUPER [®] X9DRT-PT -HC1FR: SUPER [®] X9DRT-PIBF	-HTR: SUPER [®] X9DRT-P -HTTR: SUPER [®] X9DRT-PT -HTFR: SUPER [®] X9DRT-PIBF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16;	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of LSI 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50	Quad set of Intel [®] C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC1TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC1FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HTR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HTTR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HTFR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Matrox [®] G200eW graphics	Quad set of Matrox [®] G200eW graphics
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**2U TwinPro™
GPU Support**

2U TwinPro™

**2U TwinPro™
GPU Support**



TwinPro™/Twin

MODEL	SuperServer® SYS-2027PR-DTR SYS-2027PR-DTTR SYS-2027PR-DTFR	SuperServer® SYS-2027PR-DC0R SYS-2027PR-DC0TR SYS-2027PR-DC0FR	SuperServer® SYS-2027PR-DC1R SYS-2027PR-DC1TR SYS-2027PR-DC1FR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • 8x 2.5" SATA drives • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-DTR: SUPER® X9DRT-P -DTTR: SUPER® X9DRT-PT -DTFR: SUPER® X9DRT-PIBF	-DC0R: SUPER® X9DRT-P -DC0TR: SUPER® X9DRT-PT -DC0FR: SUPER® X9DRT-PIBF	-DC1R: SUPER® X9DRT-P -DC1TR: SUPER® X9DRT-PT -DC1FR: SUPER® X9DRT-PIBF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/ non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/ non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/ non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 "0 slot"	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support
Onboard Storage Controller	Twin set of Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Twin set of LSI 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Twin set of LSI 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50
Connectivity	-HTR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -HTTR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -HTFR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-DC0R: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -DC0TR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -DC0FR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-DC1R: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -DC1TR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -DC1FR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Twin set of Matrox® G200eW graphics	Twin set of Matrox® G200eW graphics	Twin set of Matrox® G200eW graphics
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 8x 2.5" hot-swap SATA drive bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Quad set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**NVMe,
2U TwinPro™**



**NVMe, Dual 10GbE,
2U TwinPro™**



TwinPro™/Twin

MODEL	SuperServer® SYS-6027PR-DNCR SYS-6027PR-DNCTR SYS-6027PR-DNCFR	SuperServer® SYS-2027PR-DNCR SYS-2027PR-DNCTR SYS-2027PR-DNCFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • NVMe support • 1 Low-profile PCI-E x16 slot • 1 PCI-E x8 slot • 1280W Platinum Level redundant high-efficiency power supplies • 12x 3.5" HDD drives • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support 	<ul style="list-style-type: none"> • NVMe support • 1 Low-profile PCI-E x16 slot • 1 PCI-E x8 slot • 1280W Platinum Level redundant high-efficiency power supplies • 24x 2.5" HDD drives • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support
Serverboard	SUPER® X9DRT-P	SUPER® X9DRT-P
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	Twin set of LSI 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of LSI 3008 SAS 3.0 (12Gbps); RAID 0,1,10
Connectivity	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet
VGA/Audio	Twin set of Matrox® G200eW	Twin set of Matrox® G200eW
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap drive bays. Up to 4x NVMe + 2x SAS 3.0 drives (per node), or, Up to 6x SAS3 support (per node)	Twin set 4x NVMe + 8x SAS 3.0 drives (per node)
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2UTwin²[®]
16 DIMMs/2.5" HDDs

2UTwin²[®]
16 DIMMs/3.5" HDDs


2UTwin²[®] 2.5" HDDs



TwinPro™/Twin

MODEL	SuperServer [®] SYS-2027TR-H70RF+ SYS-2027TR-H71RF+ SYS-2027TR-H72RF+ SYS-2027TR-HTRF+	SuperServer [®] SYS-6027TR-H70RF+ SYS-6027TR-H71RF+ SYS-6027TR-HTRF+	SuperServer [®] SYS-2027TR-H(T/70/71/72)RF SYS-2027TR-H(T/70/71/72)QRF SYS-2027TR-H(T/70/71/72)FRF
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and Intel [®] Xeon [®] Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes, datacenter, data farm, front-end server and other computing intensive applications
Outstanding Features	<ul style="list-style-type: none"> Up to 24x 2.5" drives Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> 24x 2.5" drives 56Gbps/40Gbps InfiniBand controller onboard Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER [®] X9DRT-HF+	SUPER [®] X9DRT-HF+	-H(T/70/71/72)RF: SUPER [®] X9DRT-HF -H(T/70/71/72)QRF: SUPER [®] X9DRT-HIBQF -H(T/70/71/72)FRF: SUPER [®] X9DRT-HIBFF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of Micro low-profile PCI-E x8	Quad set of Micro low-profile PCI-E x16	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)
Onboard Storage Controller	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10 -H72: Quad set of LSI 2208 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71: Quad set of LSI 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70: Quad set of LSI 2008 8-port 6Gbps SAS2 controller; RAID 0,1,10	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps) and 1 SATA2 ports; RAID 0,1,5 -H71: Quad set of LSI 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70: Twin set of LSI 2008 3-port 6Gbps SAS2 controller; RAID 0,1	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -H72: Quad set of LSI 2208 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71: Quad set of LSI 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70: Quad set of LSI 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10 with optional KEY for RAID 5
Connectivity	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector (for 2027TR-H(T/70/71/72)QRF) Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/QSFP connector (for 2027TR-H(T/70/71/72)FRF)
VGA/Audio	Quad set of Matrox [®] G200eW graphic	Quad set of Matrox [®] G200eW graphic	Quad set of Matrox [®] G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2UTwin® 3.5" HDDs

2UTwin
16 DIMMs/ 2.5" HDDs

DCO Twin
Data Center Optimized



TwinPro™/Twin

MODEL	SuperServer® SYS-6027TR-H(T/70/71)RF SYS-6027TR-H(T/70/71)QRF SYS-6027TR-H(T/70/71)FRF	SuperServer® SYS-2027TR-D70RF+	SuperServer® SYS-6027TR-DTRL SYS-6027TR-D70RL SYS-6027TR-D71RL
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s; up to 95Watt CPU
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> Application and data serving Data Center Data Farm HPC cluster computer nodes
Outstanding Features	<ul style="list-style-type: none"> 12x 3.5" drives 56Gbps/40Gbps InfiniBand controller onboard Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 24x 2.5" drives Best performance-per-watt Hot-swappable computing modules LSI 2008 6Gbps SAS RAID IPMI 2.0 + KVM w/ dedicated LAN 1280W Redundant Platinum Level Digital power supplies 	<ul style="list-style-type: none"> Cost optimized Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN Optimized for Power Saving and Improved Cooling Up to 3 add-on cards 500W/740W Redundant Platinum Level high-efficiency power supplies
Serverboard	-H(70/71)TRF: SUPER® X9DRT-HF -H(70/71)QRF: SUPER® X9DRT-HIBQF -H(70/71)FRF: SUPER® X9DRT-HIBFF	SUPER® X9DRT-HF+	SUPER® X9DRT-HF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)	Twin set of Micro low-profile PCI-E 3.0 x16	Twin set of 3 PCI-E 3.0 x8 via riser card. (2 FHHL, 1 LP)
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps), 1 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5 -H71: Quad set of LSI 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70: Quad set of LSI 2008 3-port 6Gbps SAS2 controller; RAID 0,1	Twin set of Intel® C602 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI 2008 6Gbps SAS2 expander; IT Mode	Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10; -DTRL: Twin set of Intel® C602 SCU controller for 1 SATA2 (3Gbps) ports; -D70RL: Twin set of LSI 2008 controller for 6 SAS2 ports; RAID 0,1,10; -D71RL: Twin set of LSI 2108 controller for 6 SAS2 ports; RAID 0,1,10
Connectivity	Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector (for 6027TR-H(T/70/71)QRF) Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/QSFP connector (for 6027TR-H(T/70/71)FRF)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Twin set of 12x 2.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	500W/740W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control.
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



2UTwin
16 DIMMs/ 3.5" HDDs

2UTwin
16 DIMMs/ 3.5" HDDs

2UTwin
16 DIMMs/ 3.5" HDDs



TwinPro™/Twin

MODEL	SuperServer® SYS-6027TR-DTRF+	SuperServer® SYS-6027TR-D70RF+	SuperServer® SYS-6027TR-D71RF+
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications
Outstanding Features	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies
Serverboard	SUPER® X9DRT-HF+	SUPER® X9DRT-HF+	SUPER® X9DRT-HF+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of Micro low-profile PCI-E x8	Twin set of Micro low-profile PCI-E x8	Twin set of Micro low-profile PCI-E x16
Onboard Storage Controller	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50
Connectivity	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with iC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iC & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**2UTwin
2.5" HDDs**



**2UTwin
3.5" HDDs**



TwinPro™/Twin

MODEL	SuperServer® SYS-2027TR-D70RF SYS-2027TR-D70QRF SYS-2027TR-D70FRF	SuperServer® SYS-6027TR-D(T/70/71)RF SYS-6027TR-D(T/70/71)QRF SYS-6027TR-D(T/70/71)FRF
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications
Outstanding Features	<ul style="list-style-type: none"> 24x 2.5" drives 56Gbps/40Gbps InfiniBand controller onboard Best performance-per-watt Hot-swappable computing modules LSI 2008 6Gbps SAS RAID IPMI 2.0 + KVM w/ dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules 56Gbps/40Gbps InfiniBand controller onboard IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies
Serverboard	-D70RF: SUPER● X9DRT-HF -D70QRF: SUPER● X9DRT-HIBQF -D70FRF: SUPER● X9DRT-HIBFF	-D(T/70/71)RF: SUPER● X9DRT-HF -D(T/70/71)QRF: SUPER● X9DRT-HIBQF -D(T/70/71)FRF: SUPER● X9DRT-HIBFF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)
Onboard Storage Controller	Twin set of Intel® C602 controller for 1 SATA DOM (3Gbps) ports Twin set of LSI 2008 6Gbps SAS2 expander; IT Mode, 12 drives per node	Twin set of Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -D71: Twin set of LSI 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50 -D70: Twin set of LSI 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10
Connectivity	Twin set of Dual LAN with i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 2027TR-D70QRF) Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector (for 2027TR-D70FRF)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 6027TR-H(T/70/71)QRF) Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector (for 6027TR-D(T/70/71)FRF)
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphics
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 12x 2.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



IU Twin™



IU Twin™



TwinPro™/Twin

MODEL	SuperServer® SYS-1027TR-TF SYS-1027TR-TQF SYS-1027TR-TFF	SuperServer® SYS-6017TR-TF SYS-6017TR-TQF SYS-6017TR-TFF
Processor Support	Twin set of dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s	Twin set of dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Data Center Data Farm Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Data Center Data Farm Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> 56Gbps/40Gbps InfiniBand controller onboard 8x 2.5" SATA drives 1280W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 56Gbps/40Gbps InfiniBand controller onboard 4x 3.5" SATA drives 1280W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	-TF: SUPER●® X9DRT-F -TQF: SUPER●® X9DRT-IBQF -TFF: SUPER●® X9DRT-IBFF	-TF: SUPER●® X9DRT-F -TQF+: SUPER●® X9DRT-IBQF -TFF+: SUPER●® X9DRT-IBFF
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 low-profile	1 PCI-E 3.0 x16 low-profile
Onboard Storage Controller	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 2 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 1 SATA DOM (3Gbps) ports; RAID 0,1
Connectivity	Twin set of Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 1027TR-TQF) Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/ QSFP connector (for 1027TR-TFF)	Twin set of Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 6017TR-TQF) Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/ QSFP connector (for 6017TR-TFF)
VGA/Audio	Matrox G200eW video controller	Matrox G200eW video controller
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 4x 2.5" hot-swap SATA HDD bays	Twin set of 2x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Platinum Level Digital high-efficiency power supply with I ² C & PMBus	1280W Platinum Level Digital high-efficiency power supply with I ² C & PMBus
Cooling System	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	IU Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	IU Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Intel® Xeon® Processor E5-2600 v4 Product Family Supported

FatTwin™

Evolutionary 4U Twin Architecture

- Supports up to: • 44 Cores per Node and 145W TDP CPUs • 2TB DDR4-2400MHz in 16 DIMMs
- SAS 3.0 (12Gbps) • 12x 3.5" HDDs/1U • 10GBase-T • Redundant Titanium Level Power Supplies

New!

SYS-F628G3-F+ Series (shown)
SYS-F628G2-F+ Series

4 DP Nodes,
3 GPU/Intel® Xeon Phi™ coprocessor
per Node,
Front I/O, 16 DIMMs

New!

SYS-F628R2-F+ Series (shown)
SYS-F628R3-F+ Series

4 DP Nodes,
Front I/O, 16 DIMMs

New!

SYS-F618R3-F+ Series
SYS-F618R2-F+ Series

8 DP Nodes,
Highest Density & Efficiency,
Front I/O, 16 DIMMs

New!

SYS-F618H6-F+ Series

Hadoop
4-Node Front I/O, 16 DIMMs
12x 3.5" HDDs per Node

SYS-F618R2-F Series

8-Node, Front I/O, 8 DIMMs
Highest Density & Efficiency

SYS-F628R3-F Series (shown)
SYS-F628R2-F Series

4-Node, Front I/O, 8 DIMMs

SYS-F618R2-R+ Series

8-Node, Rear I/O, 16 DIMMs
Highest Density

4x SAS/SATA3 + 2 NVMe drives per node

SYS-F628R3-R+ Series

4-Node, Rear I/O, 16 DIMMs
6x SAS/SATA3 + 2 NVMe drives per node

Highest Performance-per-Watt and per-Dollar



The Supermicro FatTwin™ is a high-density 8/4/2 hot-plug node SuperServer® system available with a variety of memory capacities, HDD technologies, PCI expansion, networking capabilities, and GPU/Intel® Xeon Phi™ coprocessor support options. The FatTwin™ supports up to: 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots, 1 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8 Micro LP card, 8 SAS 3.0 (12Gbps) ports with LSI 3008 or LSI 3108 controller, dual 10GBase-T or dual Gigabit Ethernet ports, redundant Titanium Level (96%) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor E5-2600 v4/v3 product families up to 44 cores per node and 145W TDP.

The Supermicro FatTwin™ represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The FatTwin™ extends the compute and storage capabilities of Supermicro's existing Twin SuperServer® systems to achieve increased performance and power efficiency. Due to its shared components the FatTwin™ improves cost-effectiveness and reliability, while its modular architecture makes it flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the FatTwin™ to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.

FatTwin™

FatTwin™ 8-Node Front I/O

Highest Density & Efficiency!



Rear View



MODEL	SYS-F618R2-FT SYS-F618R2-FC0	SYS-F618R3-FTL	SYS-F618R3-FT
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center 	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center 	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 1620W Redundant Platinum Level high-efficiency power supplies 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN SAS 3.0 (12 Gbps) support (-FC0) 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN RAID 0,1 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN RAID 0,1 SATA 3.0 (6Gbps) support
Serverboard	-FT: SUPER● X10DRFF -FC0: SUPER● X10DRFF-C	SUPER● X10DRFF	SUPER● X10DRFF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Octal set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Octal set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Octal set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10; -FC0: Octal set of LSI 3008 controller for 4 SAS 3.0 (12Gbps) ports; RAID 0,1,10;	Octal set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-FT: Octal set of 2x 2.5" hot-swap SATA3 drive bays -FC0: Octal set of 2x 2.5" hot-swap SAS3 drive bays	Octal set of 2x fixed 3.5" SATA3 drive bays	Octal set of 2x fixed 3.5" SATA3 drive bays
Power Supply	4x Redundant 1620W Platinum Level power supplies with iC & PMBus	4x Redundant 1620W Platinum Level power supplies with iC & PMBus	4x Redundant 1620W Platinum Level power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	2x 17cm fans	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 787mm (17.63" x 6.96" x 31")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™ 4-Node Front I/O

Highest Power Efficiency!



Rear View

MODEL	SYS-F628R3-FT SYS-F628R3-FC0	SYS-F628R2-FC0
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center Email Server Mail Server 	<ul style="list-style-type: none"> Cluster Node Data Center HPC HPC cluster computer nodes Internet
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 1280W Platinum Level redundant high-efficiency power supplies 2 Gigabit Ethernet Ports 4x 3.5" SATA or SAS drives per node IPMI 2.0 + KVM with dedicated LAN LSI 3008 SAS 3.0 (12 Gbps) support (-FC0) 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 1280W Platinum Level redundant high-efficiency power supplies 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN LSI 3008 SAS 3.0 (12 Gbps) support (-FC0)
Serverboard	-FT: SUPER® X10DRFF -FC0: SUPER® X10DRFF-C	SUPER® X10DRFF-C
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Quad set of up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Quad set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10; -FC0: Quad set of LSI 3008 controller for 4 SAS 3.0 (12Gbps) ports; RAID 0,1,10	Quad set of LSI 3008 controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,10
Connectivity	Quad set of Dual Intel® i210 single port Gigabit Ethernet LAN	Quad set of Dual Intel® i210 single port Gigabit Ethernet LAN
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-FT: Quad set of 4x 3.5" hot-swap SATA3 drive bays -FC0: Quad set of 4x 3.5" hot-swap SAS3 drive bays	Quad set of 8x 2.5" hot-swap SAS3 drive bays
Power Supply	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus
Cooling System	8x 80mm heavy duty hot-swap fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



New! FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs



MODEL	SYS-F628R2-FT+ SYS-F628R2-FC0+ SYS-F628R2-FTPT+ SYS-F628R2-FC0PT+	SYS-F628R3-FC0+ SYS-F628R3-FC0PT+	SYS-F628R3-FT+ SYS-F628R3-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application 	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application Cluster Node 	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application Cluster Node
Outstanding Features	<ul style="list-style-type: none"> 2x PCI-E Gen 3.0 x8 (LP) 16 DIMM slots 1280W Platinum Level redundant high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN SAS3 (12 Gbps) support 	<ul style="list-style-type: none"> 2x PCI-E Gen 3.0 x8 (LP) RAID 0,1 Supports 16 DIMM DDR4 up to 2400MHz IPMI 2.0 + KVM with dedicated LAN 1280W Platinum Level redundant high-efficiency power supplies LSI 3008 controller 	<ul style="list-style-type: none"> 2x PCI-E Gen 3.0 x8 (LP) RAID 0,1 16 DIMM slots IPMI 2.0 + KVM with dedicated LAN 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	-FT+: SUPER® X10DRFF-iG -FC0+: SUPER® X10DRFF-CG -FTPT+: SUPER® X10DRFF-iGT -FCOPT+: SUPER® X10DRFF-CGT	-FC0+: SUPER® X10DRFF-CG -FCOPT+: SUPER® X10DRFF-CGT	-FT+: SUPER® X10DRFF-iG -FTPT+: SUPER® X10DRFF-iGT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of 2 PCI-E 3.0 x8 (low-profile)	Quad set of 2 PCI-E 3.0 x8 (low-profile)	Quad set of 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10 -FCOT+/-FCOPT+: Quad set of LSI 3008 controller for 8 SAS3 (12 Gbps) ports; RAID 0,1,10	Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; LSI 3008 SW controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10	Quad set of Intel® C612 controller; RAID 0,1
Connectivity	-FT+/-FC0+: Quad set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+/-FCOPT+: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller	-FC0+: Quad set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FCOPT+: Quad set of Dual 10GBase-T LAN ports and 1x Dedicated IPMI port	-FT+: Quad set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+: Quad set of Dual 10GBase-T LAN ports and 1x Dedicated IPMI port
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" SAS3/SATA3 drive bays	Quad set of 2x 3.5" SAS3/SATA3 drive bays	Quad set of 2x 3.5" SATA3 drive bays
Power Supply	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus
Cooling System	Quad set of 8x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 8x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New! FatTwin™ 8-Node 16 DIMMs, Front I/O

Highest Density & Efficiency, 8 DP Nodes, Front I/O



Rear View

MODEL	SYS-F618R2-FT+ SYS-F618R2-FTPT+	SYS-F618R3-FT+ SYS-F618R3-FTPT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application 	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application Cluster Node
Outstanding Features	<ul style="list-style-type: none"> 1x8 and 1 x4 PCI-E slots 4x 2.5" HDD per node 16 DIMM slots IPMI 2.0 + KVM with dedicated LAN RAID 0,1 support 2000W Titanium Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> 1 low profile PCI-E x16 slot 2x 3.5" HDD per node 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN RAID 0,1 support 2000W Titanium Level redundant high-efficiency power supplies
Serverboard	-FT+: SUPER● X10DRFF-iG -FTPT+: SUPER● X10DRFF-iTG	-FT+: SUPER● X10DRFF-iG -FTPT+: SUPER● X10DRFF-iTG
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x8 (low-profile) and 1 PCI-E 2.0 x4 or 2 PCI-E 3.0 x8 (optional)	Octal set of 1 PCI-E 3.0 x8, 1 PCI-E 2.0 x4, or 2 PCI-E 3.0 x8 (optional)
Onboard Storage Controller	Octal set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1
Connectivity	-FT+: Octal set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+: Octal set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller	-FT+: Octal set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+: Octal set of Dual 10GBase-T LAN ports, and 1x Dedicated IPMI port
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 4x 2.5" SATA3 fixed drive bays	Octal set of 2x 3.5" SATA3 fixed drive bays
Power Supply	4x Redundant 2000W Titanium Level (96%+) Digital power supplies with I ² C & PMBus	4x Redundant 2000W Titanium Level (96%+) Digital power supplies with I ² C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™



FatTwin™
GPU/Intel® Xeon Phi™
coprocessor
2 DP Nodes, 6 GPU/Intel® Xeon



New!

FatTwin™ HADOOP,
4-Node, 12x 3.5" HDD per node
Front I/O, 16 DIMMs



FatTwin™ HADOOP,
4-Node, 12x 3.5" HDD per node
Front I/O, 16 DIMMs



MODEL	SYS-F648G2-FT+ SYS-F648G2-FC0+ SYS-F648G2-FTPT+ SYS-F648G2-FC0PT+	SYS-F618H6-FT+ SYS-F618H6-FTPT+	SYS-F618H6-FTL+ SYS-F618H6-FTPTL+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> 3D Rendering CAD/CAM/CAE Compute Intensive Application Digital Content Creation GPU server High-performance computing 	<ul style="list-style-type: none"> Hadoop 	<ul style="list-style-type: none"> Hadoop
Outstanding Features	<ul style="list-style-type: none"> 145W CPU support 16 DIMM sockets 8x 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN Up to 6 GPU/Intel® Xeon Phi™ coprocessor per node* (*4x K80 per node) 2000W High Efficiency (96%) Titanium Level Redundant Power Supplies LSI 3008 controller (-FC0+/-FC0PT+) 	<ul style="list-style-type: none"> 4 nodes in 4U 12x 3.5" drives IPMI 2.0 + KVM with dedicated LAN Tool free drive trays and top cover Enhance internal chassis airflow Fan LED indicator 	<ul style="list-style-type: none"> 4 nodes in 4U 12x 3.5" drives IPMI 2.0 + KVM with dedicated LAN Quad set of Dual 10GBase-T (FTPTL+)
Serverboard	-FT+: SUPER● X10DRFF-iG -FC0+: SUPER● X10DRFF-CG -FTPT+: SUPER● X10DRFF-iTG -FC0PT+: SUPER● X10DRFF-CTG	-FT+: SUPER● X10DRFF-CG -FTPT+: SUPER● X10DRFF-CTG	-FTL+: SUPER● X10DRFF-CG -FTPTL+: SUPER● X10DRFF-CTG
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Twin set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Twin set of 6 PCI-E 3.0 x16 FH/FL Double Width; 2 PCI-E 3.0 x8 FH/HL	Quad set of 2 PCI-E 3.0 x8 LP	Quad set of 2 PCI-E 3.0 x8 LP
Onboard Storage Controller	Twin set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1; -FC0+/-FC0PT+: Twin set of LSI 3008 SW controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10	Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,10; LSI® 3008 SW controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10	Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1; LSI 3008 SW controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10
Connectivity	-FT+/-FC0+: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet Controller; -FTPT+/-FC0PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE Controller	FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	FTL+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPTL+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Twin set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Twin set of 8x 2.5" hot-swap SATA3/SAS3 drive bays	Quad set of Up to 8 Fixed 3.5" SAS3/SATA3 + 4 Fixed 3.5" SATA3 HDDs per U and optional 2.5" drives mounted in the PCI-e slot	Quad set of 12x 3.5" Fixed drives
Peripheral Bays	N/A	Optional 2.5" drives mounted in the PCI-E slots	Optional 2.5" drives mounted in the PCI-E slots
Power Supply	4x Redundant 2000W Titanium Level power supplies	2x 2000W Redundant Titanium Level (96%+) power supplies with iC & PMBus	2x 2000W Redundant Titanium Level (96%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud and PWM fan speed control and additional internal fans available	8x 80mm heavy duty fans with air shroud and PWM fan speed control	8x 80mm heavy duty fans with air shroud and PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35")	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™

FatTwin™ 8-Node Rear I/O

6x 2.5" HDD per Node



Rear View

MODEL	SYS-F618R2-RTN+ SYS-F618R2-RTPTN+	SYS-F618R2-RT+ SYS-F618R2-RTPT+	SYS-F618R2-RC0+ SYS-F618R2-RC0PT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Cloud and Virtualization Cloud Computing Cluster Node Data Center HPC cluster computer nodes 	<ul style="list-style-type: none"> Cloud and Virtualization Cloud Computing Cluster Node Data Center HPC cluster computer nodes 	<ul style="list-style-type: none"> Cloud and Virtualization Cloud Computing Cluster Node Data Center HPC cluster computer nodes
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 145W CPU support 16 DIMM slots 2000W Redundant Titanium Level (96%+) high-efficiency power supplies 2x 1G or 10G Ethernet NVMe Support 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1620W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 16 DIMM slots 6x 2.5" hot-swap SATA3 drive bays per node 	<ul style="list-style-type: none"> 145W CPU support Supports 16 DIMM DDR4 up to 2400MHz 2000W High Efficiency (96%) Titanium Level Redundant Power Supplies 6 x 2.5" Hot-Swap SAS/SATA drives (Per Node) Optional NVMe support LSI 3008 controller onboard
Serverboard	-RTN+: SUPER® X10DRFR-N -RTPTN+: SUPER® X10DRFR-NT	-RT+: SUPER® X10DRFR -RTPT+: SUPER® X10DRFR-NT	-RC0+: SUPER® X10DRFR-N -RC0PT+: SUPER® X10DRFR-NT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (LP) and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (LP) and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (LP) and 1 PCI-E 3.0 x8 (MicroLP)
Onboard Storage Controller	Octal set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of LSI 3008 controller for 6 SAS 3.0 (12Gbps) ports; RAID 0,1,10;
Connectivity	-RTN+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTPTN+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RT+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTPT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RC0+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC0PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 6x 2.5" hot-swap SATA3 drive bays; or, 4x SATA3 + 2x NVMe	Octal set of 6x 2.5" hot-swap SATA3 drive bays	Octal set of 6x SAS3/SATA3 or 4x SAS3/SATA3 + 2x NVMe
Power Supply	4x Redundant 2000W Titanium Level (96%+) power supplies with I ² C & PMBus	4x Redundant 1620W Platinum Level (94%+) power supplies with I ² C & PMBus	4x Redundant 2000W Titanium Level (96%+) power supplies with I ² C & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™

FatTwin™ 8-Node Rear I/O

6x 2.5" HDD per Node



Rear View

MODEL	SYS-F618R2-RC1+ SYS-F618R2-RC1PT+	SYS-F618R2-R72+ SYS-F618R2-R72PT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization • Cloud Computing • Cluster Node • Data Center • HPC cluster computer nodes 	<ul style="list-style-type: none"> • Cloud and Virtualization • Cloud Computing • Cluster Node • Data Center • HPC cluster computer nodes
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots • 16 DIMM slots • 2000W Redundant Titanium Level high-efficiency power supplies • 6 x 2.5" Hot-swap SAS/SATA drives (Per Node) • IPMI 2.0 + KVM with dedicated LAN • LSI 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives • 2 optional NVMe 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots • 1620W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • 16 DIMM slots • 6x 2.5" hot-swap SAS2/SATA drive bays per node
Serverboard	-RC1+: SUPER® X10DRFR-N -RC1PT+: SUPER® X10DRFR-NT	-R72+: SUPER® X10DRFR -R72PT+: SUPER® X10DRFR-NT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Octal set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (MicroLP)
Onboard Storage Controller	Octal set of 6 SAS3 (12Gbps) ports; or 4x SAS3 + 2x NVMe SSDs; SAS3 support via LSI 3108; RAID 0,1,5,6,10,50	Octal set of LSI 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	-RC1+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC1PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-R72+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -R72PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 6x 2.5" hot-swap SAS3/SATA3 drive bays; or 4x SAS3 + 2x NVMe	Octal set of 6x 2.5" hot-swap SAS2/SATA3 drive bays
Power Supply	4x Redundant 2000W Titanium Level (96%+) power supplies with iFC & PMBus	4x Redundant 1620W Platinum Level (94%+) power supplies with iFC & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™ 4-Node Rear I/O

8 Hot-swap 3.5" HDDs per IU



Rear View

MODEL	SYS-F628R3-RTB+ SYS-F628R3-RTBPT+ SYS-F628R3-RTBPTN+ SYS-F628R3-RTBN+	SYS-F628R3-RC0B+ SYS-F628R3-RC1B+ SYS-F628R3-RC0BPT+ SYS-F628R3-RC1BPT+	SYS-F628R3-R72B+ SYS-F628R3-R72BPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Cloud Computing Cluster Node Compute Intensive Storage Environments Corporate Database Data Center Database Applications Email Server Server Appliance Virtualization Server Web/Collocation Services 	<ul style="list-style-type: none"> Cloud Computing Cluster Node Compute Intensive Storage Environments Corporate Database Data Center Database Applications Email Server Server Appliance Virtualization Server Web/Collocation Services 	<ul style="list-style-type: none"> Cloud Computing Cluster Node Compute Intensive Storage Environments Corporate Database Data Center Database Applications Email Server Server Appliance Virtualization Server Web/Collocation Services
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 16 DIMM slots 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 management with dedicated LAN NVMe Support 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support Supports 16 DIMM DDR4-2400MHz 2 Gigabit Ethernet Ports 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 management with dedicated LAN LSI 3108 controller (-RC1B+/-RC1BPT+) LSI 3008 controller (-RC0B+/-RC0BPT+) 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 16 DIMM slots 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 management with dedicated LAN LSI 2208 controller for 8 SAS2 hot-swappable drives
Serverboard	-RTB+: SUPER® X10DRFR -RTBPT+: SUPER® X10DRFR-NT -RTBPTN+: SUPER® X10DRFR-NT -RTBN+: SUPER® X10DRFR-N	-RC0B+: SUPER® X10DRFR-N -RC1B+: SUPER® X10DRFR-N -RC0BPT+: SUPER® X10DRFR-NT -RC1BPT+: SUPER® X10DRFR-NT	-R72B+: SUPER® X10DRFR -R72BPT+: SUPER® X10DRFR-NT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (Micro LP)	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro LP PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro LP PCI-E 3.0 x8
Onboard Storage Controller	Quad set of Intel® C612 controller for 8 SATA3 or 6 SATA3 and 2 NVMe	Quad set of 8 SAS3 (12Gbps) ports; or 6 SAS3 + 2 NVMe SSDs; SAS3 support via LSI 3108/3008; RAID 0,1,5,6,10,50,60	Quad set of LSI 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	-RTB+/-RTBN+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTBPT+/-RTBPTN+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RC0B+/-RC1B+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC0BPT+/-RC1BPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-R72B+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -R72BPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 8x 3.5" hot-swap SATA3 drive bays; or 6x SATA + 2x NVMe	Quad set of 8x 3.5" hot-swap SAS3/SATA drive bays; or 6x SAS/SATA + 2x NVMe	Quad set of 8x 3.5" hot-swap SAS2/SATA drive bays
Power Supply	Quad set of Redundant 1280W Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™

FatTwin™ GPU/Intel® Xeon Phi™ coprocessor

4 DP Nodes, 3 GPU/Intel® Xeon Phi™ coprocessor per Node, Front I/O, 16 DIMMs



MODEL	SYS-F628G2-FT+ SYS-F628G2-FC0+ SYS-F628G2-FTPT+ SYS-F628G2-FC0PT+	SYS-F628G3-FT+ SYS-F628G3-FC0+ SYS-F628G3-FTPT+ SYS-F628G3-FC0PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> 3D Rendering CAD/CAM/CAE Compute Intensive Application Digital Content Creation GPU server High-performance computing 	<ul style="list-style-type: none"> 3D Rendering CAD/CAM/CAE Compute Intensive Application Digital Content Creation GPU server High-performance computing
Outstanding Features	<ul style="list-style-type: none"> Up to 3 GPU/Intel® Xeon Phi™ coprocessor per node* (*2x K80 per node) 145W CPU support 16 DIMM slots 6x 2.5" SAS/SATA drives (per node) IPMI 2.0 + KVM with dedicated LAN Up to 2 add-on cards SAS3 (12Gbps) support 	<ul style="list-style-type: none"> Up to 3 GPU/Intel® Xeon Phi™ coprocessor per node* (*2x K80 per node) 145W CPU support 16 DIMM slots 2 hot-swap 3.5" SAS/SATA Drive bays (Per Node) IPMI 2.0 + KVM with dedicated LAN Up to 2 add-on cards SAS3 (12Gbps) support
Serverboard	-FT+: SUPER● X10DRFF-iG -FC0+: SUPER● X10DRFF-CG -FTPT+: SUPER● X10DRFF-iTG -FC0PT+: SUPER● X10DRFF-CTG	-FT+: SUPER● X10DRFF-iG -FC0+: SUPER● X10DRFF-CG -FTPT+: SUPER● X10DRFF-iTG -FC0PT+: SUPER● X10DRFF-CTG
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Quad set of up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 FH/FL Double Width + 2 PCI-E 3.0 x8 LP	Quad set of 3 PCI-E 3.0 x16 FH/FL Double Width + 2 PCI-E 3.0 x8 LP
Onboard Storage Controller	-FT+/-FTPT+: Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; -FC0+/-FC0PT+: Quad set of LSI 3008 SW controller for 8 SAS3 (12 Gbps) ports; RAID 0,1,10	-FT+/-FTPT+: Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; -FC0+/-FC0PT+: Quad set of LSI 3008 SW controller for 8 SAS3 (12 Gbps) ports; RAID 0,1,10
Connectivity	-FT+/-FC0+: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet Controller; -FTPT+/-FC0PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE Controller	-FT+/-FC0+: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet Controller; -FTPT+/-FC0PT+: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SATA3/SAS3 drive bays	Quad set of 2x 3.5" hot-swap SATA3/SAS3 drive bays
Power Supply	4x Redundant 2000W Titanium Level power supplies with I²C & PMBus	4x Redundant 2000W Titanium Level power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud and PWM fan speed control and additional fans available	8x 80mm heavy duty fans with air shroud and PWM fan speed control and additional fans available
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35")	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™ 8-Node Front I/O

Highest Density & Efficiency, 8 DP Nodes, Front I/O



Rear View

MODEL	SYS-F617R2-FT SYS-F617R2-F73	SYS-F617R3-FT
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W* CPU support	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas 	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> • Front I/O • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 8 DIMM slots • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • Front I/O • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 8 DIMM slots • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT: SUPER● X9DRFF -F73: SUPER● X9DRFF-7	SUPER● X9DRFF
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Octal set of Intel® C602 controller for 2 SATA3 (6Gbps); RAID 0,1 -F73: Octal set of LSI 2308 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1	Octal set of Intel® C602 controller for 2 SATA3 (6Gbps); RAID 0,1
Connectivity	Octal set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT: Octal set of 2x 2.5" hot-swap SATA drive bays -F73: Octal set of 2x 2.5" hot-swap SAS2 drive bays	Octal set of 2x 3.5" fixed SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



FatTwin™ 4-Node Front I/O

4 DP Nodes, Front I/O



Rear View



MODEL	SYS-F627R3-FT SYS-F627R3-F73	SYS-F627R2-F73
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W* CPU support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • Front I/O • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • Quad set of 4x 3.5" hot-swap SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • Front I/O • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • Quad set of 8x 2.5" hot-swap SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT: SUPER● X9DRFF -F73: SUPER● X9DRFF-7	SUPER● X9DRFF-7
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10; -F73: Quad set of LSI 2308 controller for 4 SAS 2.0 (6Gbps) ports; RAID 0,1,10;	Quad set of LSI 2308 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,10
Connectivity	Quad set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	R3-FT: Quad set of 4x 3.5" hot-swap SATA drive bays R3-F73: Quad set of 4x 3.5" hot-swap SAS2 drive bays	Quad set of 8x 2.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™ 8-Node Rear I/O

8 DP Nodes, Rear I/O, 16 DIMMs



Rear View

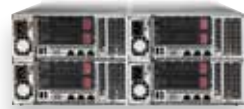
MODEL	SYS-F617R2-RT+	SYS-F617R2-R72+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 115W CPUs supported @ 35°C	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 115W CPUs supported @ 35°C
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 115W CPU support • 16 DIMM slots • Octal set of 6x 2.5" hot-swap SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 115W CPU support • 16 DIMM slots • Octal set of 6x 2.5" hot-swap SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFR	SUPER® X9DRFR-7
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Octal set of Intel® C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Octal set of LSI 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 6x 2.5" hot-swap SATA drive bays	Octal set of 6x 2.5" hot-swap SAS2 drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with I°C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I°C & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



FatTwin™ 4-Node Rear I/O

Up to 14 Hot-swap 2.5" HDDs per 1U, 4 DP Nodes, Rear I/O, 16 DIMMs



SYS-F627R2-RTB+ (Rear View)



SYS-F627R2-RT+ (Rear View)

MODEL	SYS-F627R2-RTB+	SYS-F627R2-RT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W* CPU support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFR	SUPER® X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8;	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8;
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) RAID 0,1 and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; LSI 2208 8 SAS2 (6Gbps) ports; RAID 0,1,5,10,50,60	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) RAID 0,1 and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; LSI 2208 8 SAS2 (6Gbps) ports; RAID 0,1,5,10,50,60
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SATA drive bays	Quad set of 12x 2.5" hot-swap SATA drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™

FatTwin™ 4-Node Rear I/O

Up to 8 Hot-swap 3.5" HDDs per IU, 4 DP Nodes, Rear I/O, 16 DIMMs



Rear View

MODEL	SYS-F627R3-RTB+	SYS-F627R3-R72B+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W CPUs supported @ 47°C	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W CPUs supported @ 47°C
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 6+2 3.5" SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 6+2 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFR	SUPER® X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 2 SATA2 (3Gbps) ports; RAID 0,1;	Quad set of LSI 2208 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 8x 3.5" hot-swap SATA drive bays	Quad set of 8x 3.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



FatTwin™ 8-Node 16 DIMMs, Front I/O

8 DP Nodes, Front I/O, 16 DIMMs & 4x 2.5" HDDs per Node



Rear View



4x 2.5" HDDs per Node

MODEL	SYS-F617R2-FT+	SYS-F617R2-FTPT+	SYS-F617R2-F72+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • 16 DIMM slots • 4x fixed 2.5" SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 4x fixed 2.5" SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 4x fixed 2.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFF-i+	SUPER® X9DRFF-iT+	SUPER® X9DRFF-7+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards
Onboard Storage Controller	Octal set of Intel® C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10;	Octal set of Intel® C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10;	Octal set of LSI 2208 controller for 4 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 4x 2.5" fixed SATA drive bays	Octal set of 4x 2.5" fixed SATA drive bays	Octal set of 4x 2.5" fixed SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™ 8-Node 16 DIMMs, Front I/O

8 DP Nodes, Front I/O, 16 DIMMs & 2x 3.5" HDDs per Node



Rear View



2x 3.5" HDDs per Node

MODEL	SYS-F617R3-FT+	SYS-F617R3-FTPT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 16x fixed 3.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 16x fixed 3.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFF-i+	SUPER® X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile), and 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), and 1 PCI-E 3.0 x8 (low-profile) via riser cards
Onboard Storage Controller	Octal set of Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Octal set of Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 2x 3.5" fixed SATA drive bays	Octal set of 2x 3.5" fixed SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs, 6x 2.5" HDDs per Node



Rear View

MODEL	SYS-F627R2-FT+ SYS-F627R2-F72+	SYS-F627R2-F72PT+ SYS-F627R2-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • Front I/O • Up to 130W CPU support • 16 DIMM slots • 6x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • Front I/O • Up to 130W CPU support • 16 DIMM slots • 6x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT+: SUPER● X9DRFF-i+ -F72+: SUPER● X9DRFF-7+	-F72PT+: SUPER● X9DRFF-7T+ -FTPT+: SUPER● X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+: Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; -F72+: Quad set of LSI 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50	-F72PT+: Quad set of LSI 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50 -FTPT+: Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10;
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+ : Quad set of 6x 2.5" hot-swap SATA drive bays -F72+: Quad set of 6x 2.5" hot-swap SAS2 drive bays	-F72PT+: Quad set of 6x 2.5" hot-swap SAS2 drive bays -FTPT+: Quad set of 6x 2.5" hot-swap SATA drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™

FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs, 2x 3.5" HDDs per Node



Rear View

MODEL	SYS-F627R3-FT+ SYS-F627R3-F72+	SYS-F627R3-F72PT+ SYS-F627R3-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 2x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 16 DIMM slots • 2x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT+: SUPER® X9DRFF-i+ -F72+: SUPER® X9DRFF-7+	-F72PT+: SUPER® X9DRFF-7T+ -FTPT+: SUPER® X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8
Onboard Storage Controller	-FT+ : Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; -F72+: Quad set of LSI 2208 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1	-FT+ / -FTPT+: Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; -F72+ / -F72PT+: Quad set of LSI 2208 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+: Quad set of 2x 3.5" hot-swap SATA drive bays -F72+: Quad set of 2x 3.5" hot-swap SAS2 drive bays	-FTPT+: Quad set of 2x 3.5" hot-swap SATA drive bays -F72PT+: Quad set of 2x 3.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iFC & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iFC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



FatTwin™ GPU/Intel® Xeon Phi™ coprocessor

2 DP Nodes, 6 GPU/Intel® Xeon Phi™ coprocessor per Node, Front I/O, 16 DIMMs



Rear View



Up to 8x 2.5" HDDs per Node

MODEL	SYS-F647G2-F73+ SYS-F647G2-F73PT+	SYS-F647G2-FT+ SYS-F647G2-FTPT+
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W CPU	Twin set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families; Up to 130W CPU
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 8x 2.5" SAS/SATA drive bays • Up to 2 add-on cards (2 full-height & half-length) • Up to 3 GPU cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 6x 2.5" SATA drive bays • IPMI 2.0 + KVM with dedicated LAN • SATA 3.0 (6Gbps) support • Up to 3 GPU cards in 1U
Serverboard	-F73+: SUPERMICR® X9DRFF-7G+ -F73PT+: SUPERMICR® X9DRFF-7TG+	-FT+: SUPERMICR® X9DRFF-iG+ -FTPT+: SUPERMICR® X9DRFF-iTG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 6 PCI-E 3.0 x16 (FH, FL, Double Wide) for GPU/Xeon Phi; 2 PCI-E 3.0 x8 (FH, HL)	Twin set of 6 PCI-E 3.0 x16 (FH, FL, Double wide) for GPU/Xeon Phi; 2 PCI-E 3.0 x8 (FH, HL)
Onboard Storage Controller	Twin set of LSI 2308 for 8 SAS 2.0; RAID 0,1,10	Twin set of C602 for 2 SATA3 and 4 SATA2; RAID 0,1,5,10
Connectivity	-F73+: Twin set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Twin set of Dual 10GBase-T with Intel® X540 10GbE controller	-FT+: Twin set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Twin set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Twin set of Matrox G200eW	Twin set of Matrox G200eW
Management	Twin set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Twin set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Twin set of 8x 2.5" hot-swap SAS2/SATA drive bays	Twin set of 6x 2.5" hot-swap SATA drive bays
Power Supply	4x 2000W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 2000W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control; additional internal fans available	8x 80mm heavy duty fans with air shroud & PWM fan speed control; additional internal fans available
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™

FatTwin™ GPU/Intel® Xeon Phi™ coprocessor

4 DP Nodes, 3 GPU/Intel® Xeon Phi™ coprocessor per Node, Front I/O, 16 DIMMs



MODEL	SYS-F627G2-FT+ SYS-F627G2-FTPT+	SYS-F627G2-F73+ SYS-F627G2-F73PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • HPC • Oil & Gas • Scientific computing • Computer simulations 	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • HPC • Oil & Gas • Scientific computing • Computer simulations
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 6x 2.5" SATA drives • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 6x 2.5" SAS2/SATA drives • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U
Serverboard	-FT+: SUPER® X9DRFF-iG+ -FTPT+: SUPER® X9DRFF-iTG+	-F73+: SUPER® X9DRFF-7G+ -F73PT+: SUPER® X9DRFF-7TG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Intel® Xeon Phi™ coprocessor; and 2 PCI-E 3.0 x8 (low-profile)	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Intel® Xeon Phi™ coprocessor; and 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of C602 for 2 SATA3 and 4 SATA2; RAID 0,1,5,10	-F73+/F73PT+: Quad set of LSI 2308 for 6 SAS 2.0; RAID 0,1,10
Connectivity	-FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	-F73+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+/-FTPT+: Quad set of 6x2.5" hot-swap SATA drive bays	-F73+/F73PT+: Quad set of 6x2.5" hot-swap SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud& PWM fan speed control; additional internal fans available	8x 80mm heavy duty fans with air shroud& PWM fan speed control; additional internal fans available
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative and website for compatibility and configuration details



FatTwin™ GPU/Intel® Xeon Phi™ coprocessor

4 DP Nodes, 3 GPU/Intel® Xeon Phi™ coprocessor per Node, Front I/O, 16 DIMMs



MODEL	SYS-F627G3-FT+ SYS-F627G3-FTPT+	SYS-F627G3-F73+ SYS-F627G3-F73PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • Oil & Gas • Scientific Computing • Computer simulations 	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • Oil & Gas • Scientific Computing • Computer simulations
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 2 hot-swap 3.5" SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 2 hot-swap 3.5" SAS2/SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U
Serverboard	-FT+: SUPER® X9DRFF-iG+ -FTPT+: SUPER® X9DRFF-iTG+	-F73+: SUPER® X9DRFF-7G+ -F73PT+: SUPER® X9DRFF-7TG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Intel® Xeon Phi™ coprocessor; and 2 PCI-E 3.0 x8 (low-profile)	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Intel® Xeon Phi™ coprocessor; and 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of C602 for 2 SATA3; RAID 0,1	-F73+/F73PT+: Quad set of LSI 2308 for 2 SAS 2.0; RAID 0,1
Connectivity	-FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	-F73+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+/-FTPT+: Quad set of 2x 3.5" hot-swap SATA drive bays	-F73+/F73PT+: Quad set of 2x 3.5" hot-swap SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud& PWM fan speed control	8x 80mm heavy duty fans with air shroud& PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative and website for compatibility and configuration details

FatTwin™



New Generation Intel® Xeon® processor E7-8800 v4/v3, Intel® Xeon® processor E7-4800 v4/v3 and Intel® Xeon® processor E5-4600 v4/v3 Product Families

8-Way/4-Way Server Solutions

Support up to 192 CPU Cores, 24TB Memory Capacity, 16 U.2 NVMe, and Intel® Xeon® Processor E7-8800 v4/v3 Product Families



8-Way (7U)
 X10 Broadwell-EX (E7)
 192 DIMMs DDR4 memory
 15 PCI-E 3.0 slots
NVMe / SAS3 (12Gbps)
 SYS-7088B-TR4FT

Ultra 2U 4-Way
 Broadwell-EP (E5)



SYS-2048U-RTR4

4U 4-Way
 Broadwell-EX (E7)



SYS-4048B-TR4FT
 SYS-4048B-TRFT

4U 4-Way
 Broadwell-EX (E7)



SYS-8048B-TR4FT
 SYS-8048B-TRFT

2U 4-Way
 Broadwell-EX (E7)



SYS-8028B-COR3FT
 SYS-8028B-TR3F
 SYS-8028B-COR4FT
 SYS-8028B-TR4F

4U/Tower 4-Way
 Broadwell-EX (E7)



SYS-8048B-TR4F
 SYS-8048B-COR4FT
 SYS-8048B-TR3F
 SYS-8048B-COR3FT

8-Way MP

For Enterprise Mission Critical Applications and Advanced Analytics, Database, Virtualization, and Scale-Up HPC Workloads, with up to:

- Intel® Xeon® processor E7-8800 / 4800 v4/v3 and E5-4600 v4/v3 product families
- 24TB in 192 DIMM slots (SYS-7088B) / 12TB in 96 DIMM slots (SYS-4048B, 8048B Rackmount) / 6TB in 48 DIMM slots (SYS-2048U) / 4TB in 32 DIMM slots (SYS-8028B, 8048B Tower) ECC memory
- 15 PCI-E 3.0 expansion slots (SYS-7088B); 16 U.2 NVMe or 8 GPU support (SYS-7088B)
- 4x 10GBase-T ports with Intel® X550 10GbE controller (SYS-7088B)
- Up to 48x 2.5" SAS3 drives (SYS-4048B), or 24x 3.5" SAS2 drives (SYS-8048B); or, 20x 2.5" SAS3 drives + 4 hybrid ports support either NVMe or SAS3 (SYS-2048U)
- Redundant Titanium Level high-efficiency (96%+) power supplies with I²C & PMBus supported
- Total solution with Server Management Utilities including IPMI 2.0
- Server management and remote KVM with dedicated LAN, Power Management

New! 8-Way MP
E7-8800 v4/v3, 192 DDR4 DIMMs
15 PCI-E 3.0 slots, NVMe SAS3 available

2U Ultra
EP 4S 4-Way, E5-4600 v4/v3,
48 DDR4 DIMMs,
11 PCI-E 3.0 slot, SAS/NVMe available



MODEL	SuperServer® SYS-7088B-TR4FT	SuperServer® SYS-2048U-RTR4
Processor Support	Eight Intel® Xeon® Processor E7-8800 v4/v3 product families supported, QPI up to 9.6GT/s	Quad Intel® Xeon® processor E5-4600 v4/v3 product families supported, QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> High End Enterprise Server ERP, CRM Database Applications Research lab/National Lab Virtualization High-performance computing 	<ul style="list-style-type: none"> Virtualization High End Enterprise Server Cloud Computing DataCenter Applications HPC
Outstanding Features	<ul style="list-style-type: none"> X10 EX 8-Way 192 cores Up to 192 DDR4 Memory DIMMs Up to 24TB (Broadwell), or 12 TB (Haswell) Up to 15 PCI-E FH slots Up to 16 optional U.2 NVMe support Optional up to 8 GPU 4x 10G LAN + 1 dedicated IPMI 	<ul style="list-style-type: none"> Up to 88 cores per system 48 DDR4 up to 6TB Memory 4 NVMe SSD ports Ready Up to 11 PCI-E3.0 Slots 4 GLAN + 1 Dedicated IPMI 2U Rack Mount Chassis
Serverboard	SUPER® X10OBI-CPU	SUPER® X10QRH+
Chipset	Intel® C602J chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 24TB DDR4 (128GB LRDIMM); 192 DIMM slots	Up to 6TB DDR4 (128GB LRDIMM); up to 2400MHz; 48 DIMM slots
Expansion Slots	15 PCI-E 3.0 FH slots (8 PCI-E 3.0 x16 + 7 PCI-E 3.0 x8) (16 2.5" NVMe optional support + 7 PCI-E slots)	9 PCI-E 3.0 x8; 2 PCI-E 3.0 x16
Onboard Storage Controller	Intel C602J including 2 SATA3 (SATA DOM) + 4 SATA2 (2 M.2, 2 HDD)	Intel® C612 for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10, including 8 HDD and 2 SATADOM
Connectivity	4-port 10GBase-T Ethernet S10M (Intel® X550 10GbE controller); 1 Port IPMI	Quad LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12x hot swap 2.5" SAS3 HDDs (w/ RAID cards); 20x 2.5" or 6x 3.5" internal HDDs (w/ RAID cards)	24 hot-swap 2.5" SAS3 drive support via extra Add-on RAID controller card; 4 Hybrid ports with NVMe support via extra Add-on card
Peripheral Bays	7U Rackmountable Rackmount Kit (comes with the system)	N/A
Power Supply	5x 1600W (N+1 Redundant) Titanium Level power supplies with PMBus	1000W Redundant Titanium Level power supplies; 2000W power supply options available
Cooling System	8x 9cm Hot-Swappable Counter-Rotating Rear Fans	4x 8cm heavy duty fans with speed control
Form Factor	7U Rackmount 448 x 310 x 733mm (17.63" x 12.2" x 28.87") Gross Weight: 208lbs (94.35kg)	2U Rackmount 437 x 89 x 780mm (17.2" x 3.5" x 30.7")

*Please check with your Supermicro sales representative and website for compatibility and configuration details

EX 4-Way
E7-8800/4800 v4/v3,
32 DDR4 DIMMs in 2U

EX 4-Way
E7-8800/4800 v4/v3,
32 DDR4 DIMMs in 2U



MODEL	SuperServer® SYS-8028B-TR4F	SuperServer® SYS-8028B-C0R4FT
Processor Support	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Mission-critical applications • Enterprise Server 	<ul style="list-style-type: none"> • Finance, Banking, e-Commerce • Compute Intensive Application • Mission-critical applications • Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> • Up to 96 cores per system • Up to 4TB DDR4 memory capacity in 32 DIMM slots • 2U 4-way system • 4 PCI-E 3.0 support • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> • Up to 96 cores per system • Up to 4TB DDR4 memory capacity in 32 DIMM slots • 2U 4-way system • 4 PCI-E 3.0 support • LSI 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	SUPER® X10QBL-4	SUPER® X10QBL-4CT
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 4TB ECC DDR4 (128GB LRDIMM), speed up to 1866MHz; 32 DIMM slots	Up to 4TB ECC DDR4 (128GB LRDIMM), speed up to 1866MHz; 32 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID 0,1,5,10	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID 0,1,5,10; LSI 3008 SW controller on board
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap SATA drive bays	6x 3.5" hot-swap SAS2 drive bays (through SAS2 Backplane)
Peripheral Bays	N/A	N/A
Power Supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies
Cooling System	3x 8cm heavy duty fans with speed control	3x 8cm heavy duty fans with speed control
Form Factor	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

8-Way MP

**EX 4-Way
E7-8800/4800 v4/v3,
32 DDR4 DIMMs in 4U Tower/Rackmount**

**EX 4-Way
E7-8800/4800 v4/v3,
32 DDR4 DIMMs in 4U Tower/Rackmount**



MODEL	SuperServer® SYS-8048B-TR4F	SuperServer® SYS-8048B-C0R4FT
Processor Support	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Mission-critical applications • Enterprise Server 	<ul style="list-style-type: none"> • Finance, Banking, e-Commerce • Compute Intensive Application • Mission-critical applications • Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> • Up to 96 cores per system • Up to 4TB DDR4 memory capacity in 32 DIMM slots • 4U 4-way system • 4 PCI-E 3.0 support • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> • Up to 96 cores per system • Up to 4TB DDR4 memory capacity in 32 DIMM slots • 4U 4-way system • 4 PCI-E 3.0 support • LSI 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	SUPER® X10QBL-4	SUPER® X10QBL-4CT
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	32 DIMM slots, Up to 4TB ECC DDR4 (128GB LRDIMM), speed up to 1866MHz; 32 DIMM slots	32 DIMM slots, Up to 4TB ECC DDR4 (128GB LRDIMM), speed up to 1866MHz; 32 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID0,1,5,10	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID0,1,5,10; LSI 3008 SW controller on board
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SATA/SAS drive bays	5x 3.5" hot-swap SAS2 drive bays (through SAS2 Backplane)
Peripheral Bays	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)
Power Supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 9cm mid fans + 3x 8cm rear fans with speed control	3x 9cm mid fans + 3x 8cm rear fans with speed control
Form Factor	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**EX 4-Way
E7-8800/4800 v4/v3,
32 DDR3 DIMMs in 2U**



**EX 4-Way
E7-8800/4800 v4/v3,
32 DDR3 DIMMs in 4U Tower/Rackmount**



MODEL	SuperServer® SYS-8028B-TR3F SYS-8028B-COR3FT	SuperServer® SYS-8048B-TR3F SYS-8048B-COR3FT
Processor Support	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Mission-critical applications • Enterprise Server 	<ul style="list-style-type: none"> • Compute Intensive Application • Mission-critical applications • Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> • Up to 96 cores per system • Up to 2TB DDR3 memory capacity in 32 DIMM slots • 2U 4-way system • 4 PCI-E 3.0 support • -COR3FT: LSI 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> • Up to 96 cores per system • Up to 2TB DDR3 memory capacity in 32 DIMM slots • 4U 4-way system • 4 PCI-E 3.0 support • -COR3FT: LSI 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	-TR3F: SUPER● X10QBL -COR3FT: SUPER● X10QBL-CT	-TR3F: SUPER● X10QBL -COR3FT: SUPER● X10QBL-CT
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 2TB ECC DDR3 (64GB LRDIMM), speed up to 1600MHz (32GB LRDIMM); 32 DIMM slots	32 DIMM slots, Up to 2TB ECC DDR3 (64GB LRDIMM), up to 1600MHz (32GB LR-DIMM); 32 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports; -TR3F: 4 SATA2 (3 Gbps); RAID0,1,5,10; -COR3FT: 4 SATA2 (3 Gbps); RAID0,1,5,10; LSI 3008 SW controller on board	Intel® C602J for 2 SATA3 (6 Gbps) ports; -TR3F: 4 SATA2 (3 Gbps); RAID0,1,5,10; -COR3FT: 4 SATA2 (3 Gbps); RAID0,1,5,10; LSI 3008 SW controller on board
Connectivity	-TR3F: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -COR3FT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller	-TR3F: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -COR3FT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap SATA drive bays	5x 3.5" hot-swap SATA/SAS drive bays
Peripheral Bays	N/A	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)
Power Supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm heavy duty fans with speed control	3x 9cm mid fans + 3x 8cm rear fans with speed control
Form Factor	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

4-Way MP



EX 4-Way
E7-8800/4800 v4/v3, 96 DDR4 DIMMs,
up to 12TB memory capacity
11 PCI-E 3.0 slots; SAS2 (6 Gbps)



EX 4-Way
E7-8800/4800 v4/v3, 96 DDR4 DIMMs,
up to 12TB memory capacity
11 PCI-E 3.0 slots; SAS3 (12 Gbps)



MODEL	SuperServer® SYS-8048B-TR4FT	SuperServer® SYS-4048B-TR4FT
Processor Support	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Business Intelligence • ERP, CRM • Database Applications • Research lab/National Lab • Virtualization 	<ul style="list-style-type: none"> • Business Intelligence • ERP, CRM • Database Applications • Research lab/National Lab • Virtualization
Outstanding Features	<ul style="list-style-type: none"> • Up to 96 CPU cores per system • Up to 12TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 24 3.5" HDDs, SAS 2.0 (6Gbps) • Up to 4x 1620W Redundant Platinum Level (94%) power supplies 	<ul style="list-style-type: none"> • Up to 96 CPU cores per system • Up to 12TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 48 SAS 3.0 (12Gbps) 2.5" drive bays • Up to 4x 1620W Redundant Platinum Level (94%) power supplies
Serverboard	SUPER● X10QBi	SUPER● X10QBi
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 12TB ECC DDR4 with 128GB 3DS LRDIMM (8x memory module board: X10QBi-MEM2), speed up to 1866MHz; 96 DIMM slots	Up to 12TB ECC DDR4 with 128GB 3DS LRDIMM (8x memory module board: X10QBi-MEM2), speed up to 1866MHz; 96 DIMM slots
Expansion Slots	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)
Connectivity	Dual 10GBase-T ports with Intel® X540 controller on AOM card	Dual 10GBase-T ports with Intel® X540 controller on AOM card
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 3.5" SAS2 drive support via extra Add-on RAID controller card	24 hot-swap 2.5" SAS3 drive support via extra Add-on RAID controller card; optional: up to 48 hot-swap 2.5" SAS3 drives support via extra backplane + add-on RAID controller card
Peripheral Bays	N/A	N/A
Power Supply	(N+1) Redundant 1620W up to 4 Platinum Level (94%) power supplies	(N+1) Redundant 1620W up to 4 Platinum Level (94%) power supplies
Cooling System	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans
Form Factor	4U Rackmount 437 x 178 x 846mm (17.2" x 7" x 33.3")	4U Rackmount 437 x 178 x 795mm (17.2" x 7" x 31.3")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

4-Way MP



EX 4-Way
E7-8800/4800 v4/v3, 96 DDR3 DIMMs,
up to 6TB memory capacity
11 PCI-E 3.0 slots; SAS2 (6 Gbps)



EX 4-Way
E7-8800/4800 v4/v3, 96 DDR3 DIMMs,
up to 6TB memory capacity
11 PCI-E 3.0 slots; SAS3 (12 Gbps)



MODEL	SuperServer® SYS-8048B-TRFT	SuperServer® SYS-4048B-TRFT
Processor Support	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s	Quad Intel® Xeon® Processor E7-8800/4800 v4/v3 product families supported, QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> • Business Intelligence • ERP CRM • Database • Virtualization • Research Lab/National Lab 	<ul style="list-style-type: none"> • Business Intelligence • ERP CRM • Database • Virtualization • Research Lab/National Lab
Outstanding Features	<ul style="list-style-type: none"> • Up to 96 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 24 SAS 2.0 (6Gbps) 3.5" drive bays • Independent power and cooling controls • Up to 4x 1620W Redundant Platinum Level (94%) power supplies 	<ul style="list-style-type: none"> • Up to 96 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 48 SAS 3.0 (12Gbps) 2.5" drive bays • Independent power and cooling controls • Up to 4x 1620W Redundant Platinum Level (94%) power supplies
Serverboard	SUPER● X10QBi / X10QBi-MEM1 / AOM-X10QBi-A	SUPER● X10QBi / X10QBi-MEM1 / AOM-X10QBi-A
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 6TB ECC DDR3 RDIMM/LRDIMM (8x memory module board: X10QBi-MEM2), speed up to 1866MHz; 96 DIMM slots	Up to 6TB ECC DDR3 RDIMM/LRDIMM (8x memory module board: X10QBi-MEM2), speed up to 1866MHz; 96 DIMM slots
Expansion Slots	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)
Connectivity	Dual 10GBase-T ports with Intel® X540 controller on AOM card	Dual 10GBase-T ports with Intel® X540 controller on AOM card
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 3.5" SAS2 drive support via extra Add-on RAID controller card	24 hot-swap 2.5" SAS3 drive support via extra Add-on RAID controller card; optional: up to 48 hot-swap 2.5" SAS3 drives support via extra backplane + add-on RAID controller card
Peripheral Bays	N/A	N/A
Power Supply	(N+1) Redundant 1620W Platinum Level (94%) power supplies	(N+1) Redundant 1620W Platinum Level (94%) power supplies
Cooling System	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans
Form Factor	4U Rackmount 437 x 178 x 846mm (17.2" x 7" x 33.3")	4U Rackmount 437 x 178 x 795mm (17.2" x 7" x 31.3")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** X10QBi-MEM1 Rev. 1.01: supports Ivy Bridge CPU;

X10QBi-MEM1 Rev. 2.0: supports Haswell CPU

4-Way MP



MicroBlade™

Support up to: 56 Intel® Xeon® processor UP or 28 DP server nodes • M.2 NVMe • SAS3
 • Redundant Titanium Level digital power supplies
 • Redundant 10/2.5/1Gbps SDN switches



3U MicroBlade

6U MicroBlade

MicroBlade Servers

MicroBlade

10Gbps

MBI-6128R-T2 MBI-6128R-T2X

Intel® Xeon® Processor E5-2600 v4/v3

New! **HD Graphics** **New!**
NVMe
10Gbps

MBI-6219G-T8HX/T7LX MBI-6119G-T8HX/T7LX

Intel® Xeon® Processor E3-1500 v5 (1585/1578L)

New! **10Gbps** **New!**

MBI-6218G-T81X/T41X MBI-6118G-T81X/T41X

Intel® Xeon® processor D-1500 (1581/1541)

New! **SAS3** **New!** **New!** **New!**

MBI-6119G-C2 MBI-6119G-C4 MBI-6119G-T4 MBI-6219G-T

Intel® Xeon® Processor E3-1200 v5

MBI-6118D-T2/T2H MBI-6118D-T4/T4H

Intel® Xeon® Processor E3-1200 v4/v3

MBI-6418A-T7H MBI-6418A-T5H

Intel® Atom™ Processor (C2750/C2550)

MicroBlade Enclosures

6U/3U Enclosures

- 112 Intel® Atom™ processor (C2750/C2550) nodes
- 56/28/14 Intel® Xeon® processor D-1500 (1581/1541) UP nodes
- 56/28/14 Intel® Xeon® processor E3-1500 v5 (1585/1578L)UP nodes
- 56/28/14 Intel® Xeon® processor E3-1200 v5/v4/v3 UP nodes
- 28/14 Intel® Xeon® processor E5-2600 v4/v3 DP nodes

High-Efficiency Power Supply

- Titanium Level (96%+ efficiency) 2000W digital power supplies with N+N or N+1 redundancy
- Platinum Level (94%+ efficiency) 1600W digital power supplies with N+N or N+1 redundancy
- 2000W DC power supplies with N+N or N+1 redundancy



Model	MBE-314E-420(D)/416/220(D)	MBE-628L-816/416
Blade Server	Up to 14 hot-swappable blade servers	Up to 28 hot-swappable blade servers
Node Support	Intel® based blades	Intel® based blades
LED	Power LED, Fault LED	Power LED, Fault LED
Ethernet Switch	Up to two hot-swappable 10Gbps/1Gbps switches	Up to four hot-swappable 1Gbps switches
Management Module	Up to one hot-swappable management modules providing remote KVM and IPMI 2.0 functionalities	Up to one hot-swappable management modules providing remote KVM and IPMI 2.0 functionalities
Power Supply	<ul style="list-style-type: none"> • Up to four hot-swappable 2000W (-420) • Up to four hot-swappable 1600W (-416) • Up to two hot-swappable 2000W (-220) 	<ul style="list-style-type: none"> • Up to eight hot-swappable 1600W (-816) • Up to four hot-swappable 1600W (-416)
Cooling Design	4 cooling fans	8 cooling fans
Rack Unit	3U	6U
Dimensions (H x W x D)	-420(D)/220(D): 5.21" (132.5mm) x 17.67" (449mm) x 36.10" (917mm) -416: 10.43" (265mm) x 17.67" (449mm) x 34.43" (875mm)	10.43" (265mm) x 17.67" (449mm) x 34.43" (875mm)



Model	MBE-628E-816/416	MBE-628E-820(D)/420(D)
Blade Server	Up to 28 hot-swappable blade servers	Up to 28 hot-swappable blade servers
Node Support	Intel® based blades	Intel® based blades
LED	Power LED, Fault LED	Power LED, Fault LED
Ethernet Switch	Up to two hot-swappable 10Gbps/1Gbps switches	Up to two hot-swappable 10Gbps/1Gbps switches
Management Module	Up to two hot-swappable management modules providing remote KVM and IPMI 2.0 functionalities	Up to two hot-swappable management modules providing remote KVM and IPMI 2.0 functionalities
Power Supply	<ul style="list-style-type: none"> • Up to eight hot-swappable 1600W (-816) • Up to four hot-swappable 1600W (-416) 	<ul style="list-style-type: none"> • Up to eight hot-swappable 2000W (-820) • Up to four hot-swappable 2000W (-420)
Cooling Design	8 cooling fans	8 cooling fans
Rack Unit	6U	6U
Dimensions (H x W x D)	10.43" (265mm) x 17.67" (449mm) x 34.43" (875mm)	10.43" (265mm) x 17.67" (449mm) x 36.10" (875mm)

MicroBlade

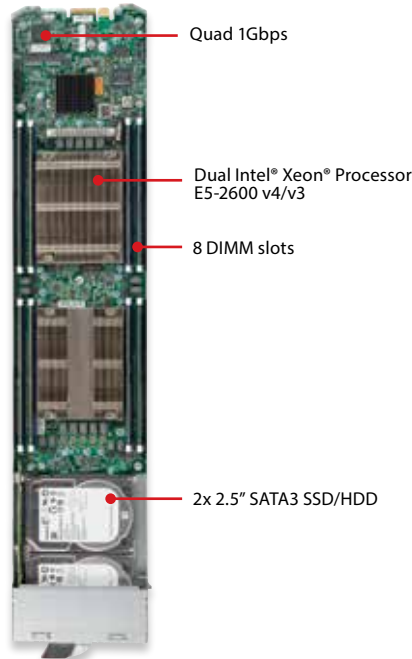


X10 MicroBlade DP Servers

Dual Intel® Xeon® Processor E5-2600 v4/v3 Supported

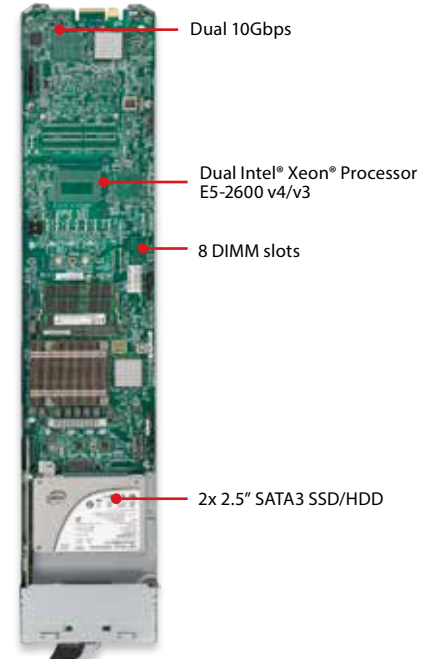
MBI-6128R-T2

1 DP Node



MBI-6128R- T2X

1 DP Node



Model	MBI-6128R-T2	MBI-6128R- T2X
Server Nodes/42U Rack	196	196
Processor	Dual Intel® Xeon® processor E5-2600 v4/v3 product families with QPI up to 9.6GT/s	Dual Intel® Xeon® processor E5-2600 v4/v3 product families with QPI up to 9.6GT/s
Chipset	Intel® C612	Intel® C612
Memory Support	8x DDR4-2400 ECC VLP RDIMMs	8x DDR4-2400 ECC VLP RDIMMs
Max Memory	Up to 256GB	Up to 256GB
Expansion & Drive Bays	2x 2.5" SATA3 SSD/HDD 1x SuperDOM Port	2x 2.5" SATA3 SSD/HDD 1x SuperDOM Port
Storage RAID	Intel® PCH SATA3 RAID 0,1	Intel® PCH SATA3 RAID 0,1
Ethernet Interface	Quad-port 1Gbps LAN	Dual-port 10Gbps LAN
Management	IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN
LED Indicators	Power LED UID / KVM LED Network Activity LED Fault LED	Power LED UID / KVM LED Network Activity LED Fault LED
Dimensions (H x W x D)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)
Chassis	6U: • MBE-628E-416 • MBE-628E-420 • MBE-628E-816 • MBE-628E-820 3U: • MBE-314E-420(D) • MBE-314E-220(D) • MBE-314E-416	6U: • MBE-628E-416 • MBE-628E-420 • MBE-628E-816 • MBE-628E-820 3U: • MBE-314E-420(D) • MBE-314E-220(D) • MBE-314E-416

MicroBlade

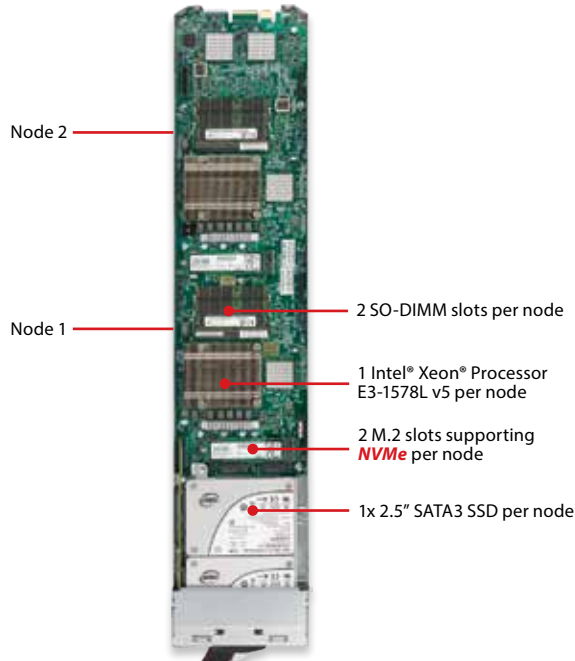


X11 MicroBlade UP Servers

Intel® Xeon® Processor E3-1500 v5 (1585/1578L) Supported

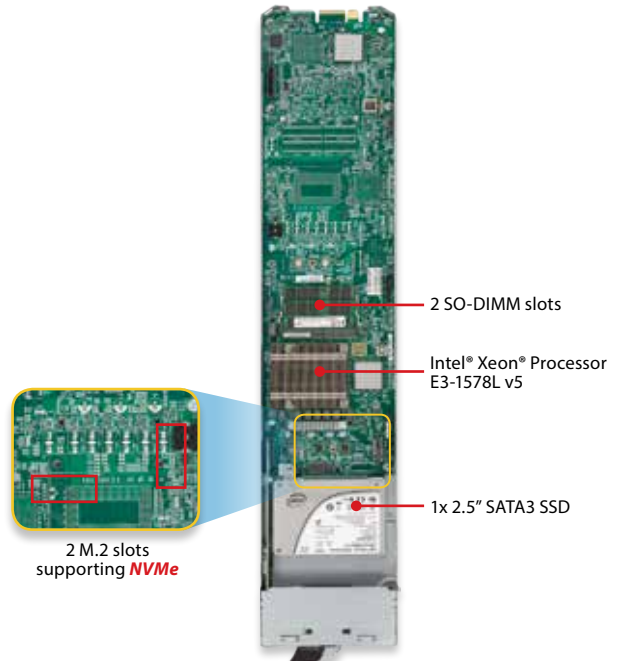
MBI-6219G-T8HX/T7LX

2 Independent UP Nodes



MBI-6119G-T8HX/T7LX

1 UP Node



Model	MBI-6219G-T8HX/T7LX		MBI-6119G-T8HX/T7LX	
Server Nodes/42U Rack	392		196	
Processor	-T7LX: Intel® Xeon® processor E3-1578L v5, 4 cores, 45W with Integrated Intel® Iris™ Pro Graphics P580	-T8HX: Intel® Xeon® processor E3-1585 v5, 4 core, 65W with Integrated Intel® Iris™ Pro Graphics P580	-T7LX: Intel® Xeon® processor E3-1578L v5, 4 cores, 45W with Integrated Intel® Iris™ Pro Graphics P580	-T8HX: Intel® Xeon® processor E3-1585 v5, 4 cores, 65W with Integrated Intel® Iris™ Pro Graphics P580
Chipset	Intel® C236		Intel® C236	
Memory Support	2x DDR4-2400 ECC SO-DIMMs per node		2x DDR4-2400 ECC SO-DIMMs	
Max Memory	Up to 32GB per node		Up to 32GB	
Expansion & Drive Bays	1x 2.5" SATA3 SSD 1x SuperDOM Port 2x M.2 Slots (PCI-E 3.0 x4) supporting NVMe per node		1x 2.5" SATA3 SSD 1x SuperDOM Port 2x M.2 Slots (PCI-E 3.0 x4) supporting NVMe	
Storage RAID	N/A		N/A	
Ethernet Interface	Dual-port 10Gbps LAN per node		Dual-port 10Gbps LAN	
Management	IPMI 2.0, KVM over IP, Virtual Media over LAN		IPMI 2.0, KVM over IP, Virtual Media over LAN	
LED Indicators	Power LED Fault LED Network Activity LED UID / KVM LED		Power LED Fault LED Network Activity LED UID / KVM LED	
Dimensions (H x W x D)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)		1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)	
Chassis	6U: • MBE-628E-416 • MBE-628E-420 • MBE-628E-816 • MBE-628E-820 3U: • MBE-314E-420(D) • MBE-314E-220(D) • MBE-314E-416		6U: • MBE-628E-416 • MBE-628E-420 • MBE-628E-816 • MBE-628E-820 3U: • MBE-314E-420(D) • MBE-314E-220(D) • MBE-314E-416	

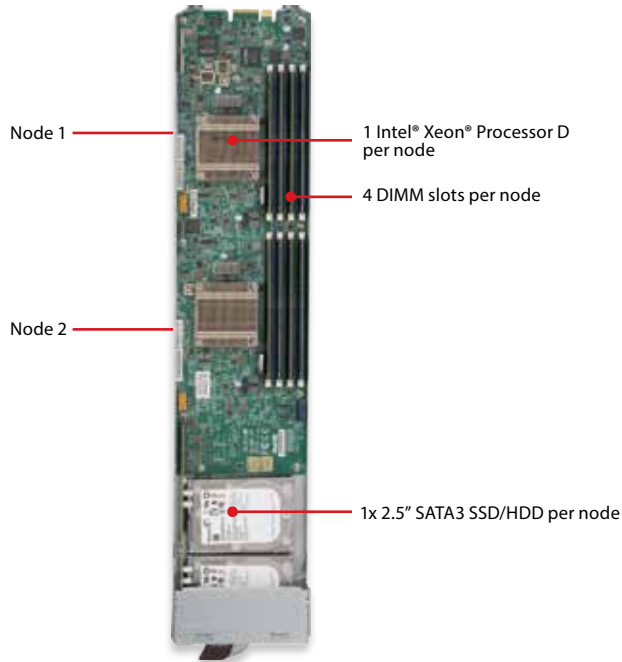


X10 MicroBlade UP Servers

Intel® Xeon® processor D-1500 (1581/1541) Supported

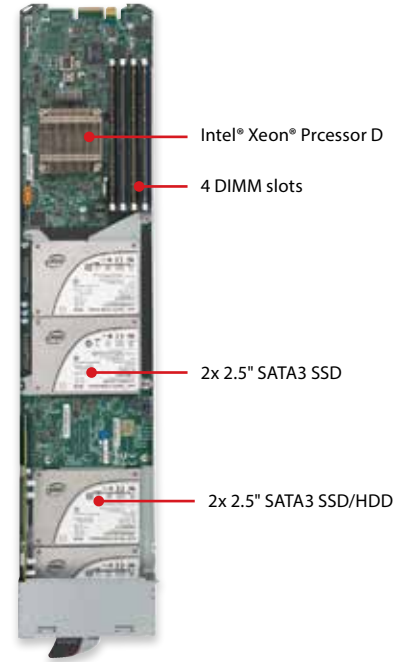
MBI-6218G-T81X/ T41X

2 Independent UP Nodes



MBI-6118G-T81X/ T41X

1 UP Node



Model	MBI-6218G-T81X/ T41X		MBI-6118G-T81X/ T41X	
Server Nodes/42U Rack	392		196	
Processor	-T81X: Intel® Xeon® processor D-1581, 16 cores, 65W	-T41X: Intel® Xeon® processor D-1541, 8 cores, 45W	-T81X: Intel® Xeon® processor D-1581, 16 cores, 65W	-T41X: Intel® Xeon® processor D-1541, 8 cores, 45W
Chipset	System-on-Chip		System-on-Chip	
Memory Support	4x DDR4-2400 ECC VLP RDIMMs per node		4x DDR4-2400 ECC VLP RDIMMs	
Max Memory	Up to 128GB per node		Up to 128GB	
Expansion & Drive Bays	1x 2.5" SATA3 SSD/HDD and 1x SuperDOM Port per node		4x 2.5" SATA3 SSD or 2x SSD/HDD + 2x SSD and 1x SuperDOM Port	
Storage RAID	N/A		RAID 0,1,5,10	
Ethernet Interface	Dual-port 10Gbps LAN per node		Dual-port 10Gbps LAN	
Management	IPMI 2.0, KVM over IP, Virtual Media over LAN		IPMI 2.0, KVM over IP, Virtual Media over LAN	
LED Indicators	Fault LED Network Activity LED Power LED UID / KVM LED		Fault LED Network Activity LED Power LED UID / KVM LED	
Dimensions (H x W x D)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)		1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)	
Chassis	6U: • MBE-628E-416 • MBE-628E-816 3U: • MBE-314E-420(D) • MBE-314E-416	• MBE-628E-420 • MBE-628E-820 • MBE-314E-220(D)	6U: • MBE-628E-416 • MBE-628E-816 3U: • MBE-314E-420(D) • MBE-314E-416	• MBE-628E-420 • MBE-628E-820 • MBE-314E-220(D)

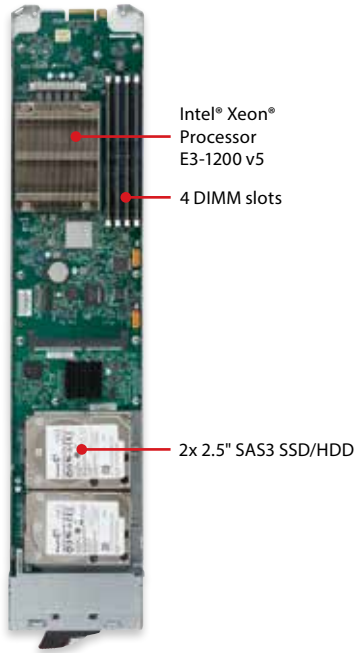


X11 MicroBlade UP Servers

Intel® Xeon® Processor E3-1200 v5 Supported

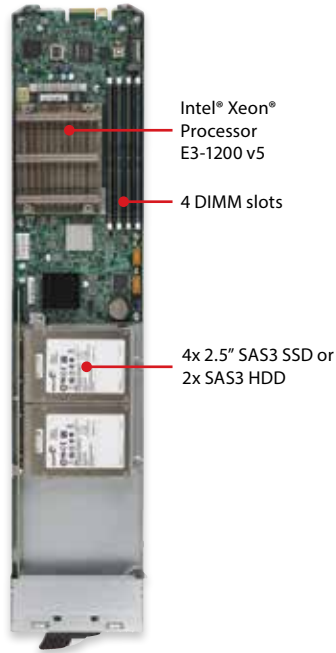
MBI-6119G-C2

1 UP Node



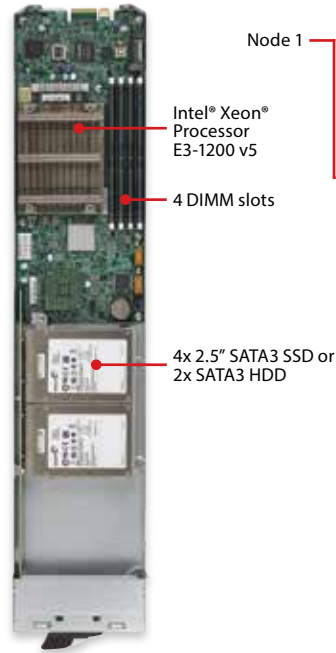
MBI-6119G-C4

1 UP Node



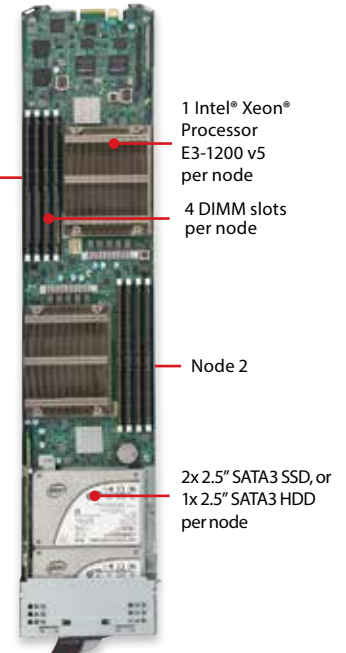
MBI-6119G-T4

1 UP Node



MBI-6219G-T

2 Independent UP Nodes



Model	MBI-6119G-C2/C4		MBI-6119G-T4	MBI-6219G-T
Server Nodes/42U Rack	196		196	392
Processor	Intel® Xeon® processor E3-1200 v5 product family		Intel® Xeon® processor E3-1200 v5 product family	Intel® Xeon® processor E3-1200 v5 product family
Chipset	Intel® C236		Intel® C236	Intel® C236
Memory Support	4x DDR4-2133 ECC VLP UDIMMs		4x DDR4-2133 ECC VLP UDIMMs	4x DDR4-2133 ECC VLP UDIMMs per node
Max Memory	Up to 64GB		Up to 64GB	Up to 64GB per node
Expansion & Drive Bays	-C2: 2x 2.5" SAS3 SSD/HDD and 2x SuperDOM Port	-C4: 2x 2.5" SAS3 HDD or 4x 2.5" SAS3 SSD and 2x SuperDOM Port	2x 2.5" SATA3 HDD or 4x 2.5" SATA3 SSD and 2x SuperDOM Port	1x 2.5" SATA3 HDD or 2x 2.5" SATA3 SSD per node
Storage RAID	Avago 3008 SAS3/SATA3 RAID 0,1,1E,10		Intel® PCH RAID 0,1,5,10	Intel® PCH RAID 0,1
Ethernet Interface	Dual-port 1Gbps LAN		Dual-port 1Gbps LAN	Dual-port 1Gbps LAN per node
Management	IPMI 2.0, KVM over IP, Virtual Media over LAN		IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN
LED Indicators	Power LED Fault LED Network Activity LED UID / KVM LED		Power LED Fault LED Network Activity LED UID / KVM LED	Power LED Fault LED Network Activity LED UID / KVM LED
Dimensions (H x W x D)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)		1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)
Chassis	6U: • MBE-628E-416 • MBE-628E-816	• MBE-628E-420 • MBE-628E-820	6U: • MBE-628E-416 • MBE-628E-816	• MBE-628E-420 • MBE-628E-820
	3U: • MBE-314E-420(D) • MBE-314E-416	• MBE-314E-220(D)	3U: • MBE-314E-420(D) • MBE-314E-416	• MBE-314E-220(D)

MicroBlade

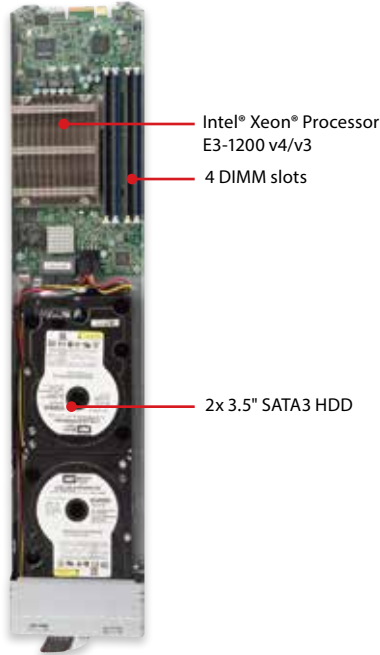


X10 MicroBlade UP Servers

Intel® Xeon® Processor E3-1200 v4/v3 Supported

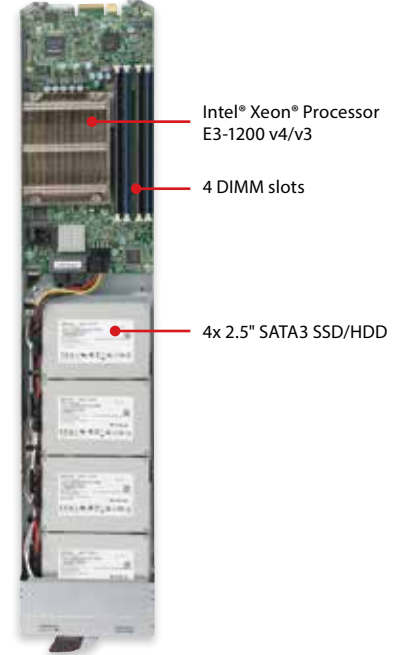
MBI-6118D-T2/T2H

1 UP Node



MBI-6118D-T4/T4H

1 UP Node



Model	MBI-6118D-T2/T2H		MBI-6118D-T4/T4H	
Server Nodes/42U Rack	196		196	
Processor	Intel® Xeon® processor E3-1200 v4/v3 product families 4 th Generation Intel® Core™ i3 Processor Series		Intel® Xeon® processor E3-1200 v4/v3 product families 4 th Generation Intel® Core™ i3 Processor Series	
Chipset	-T2: Intel® C224	-T2H: Intel® C226	-T4: Intel® C224	-T4H: Intel® C226
Memory Support	4x DDR3-1600 ECC VLP UDIMMs		4x DDR3-1600 ECC VLP UDIMMs	
Max Memory	Up to 32GB		Up to 32GB	
Expansion & Drive Bays	2x 3.5" SATA3 HDD		4x 2.5" SATA3 SSD/HDD	
Storage RAID	RAID 0,1		RAID 0,1,5,10	
Ethernet Interface	Dual-port 1Gbps LAN		Dual-port 1Gbps LAN	
Management	IPMI 2.0, KVM over IP, Virtual Media over LAN		IPMI 2.0, KVM over IP, Virtual Media over LAN	
LED Indicators	Fault LED Network Activity LED Power LED UID / KVM LED		Fault LED Network Activity LED Power LED UID / KVM LED	
Dimensions (H x W x D)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)		1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (589.28mm)	
Chassis	6U: • MBE-628E-416 • MBE-628E-420 • MBE-628E-816 • MBE-628E-820 3U: • MBE-314E-420(D) • MBE-314E-220(D) • MBE-314E-416		6U: • MBE-628E-416 • MBE-628E-420 • MBE-628E-816 • MBE-628E-820 3U: • MBE-314E-420(D) • MBE-314E-220(D) • MBE-314E-416	

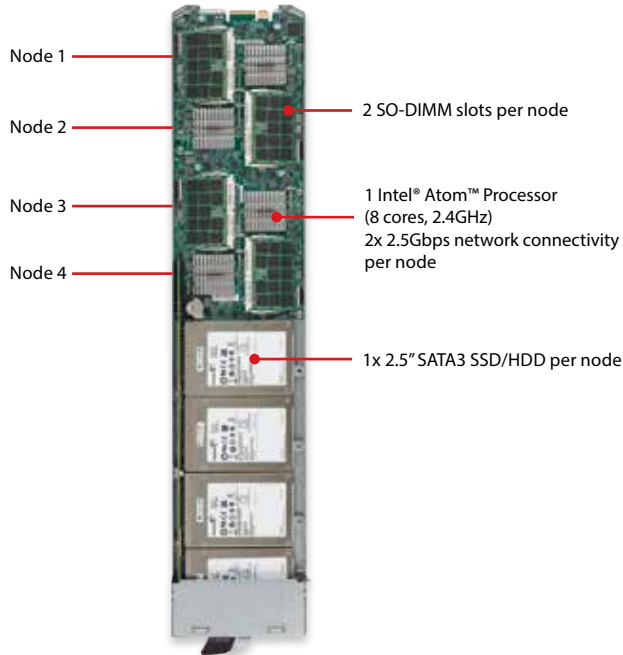


X10 MicroBlade UP Servers

Intel® Atom™ Processor (C2750/C2550) Supported

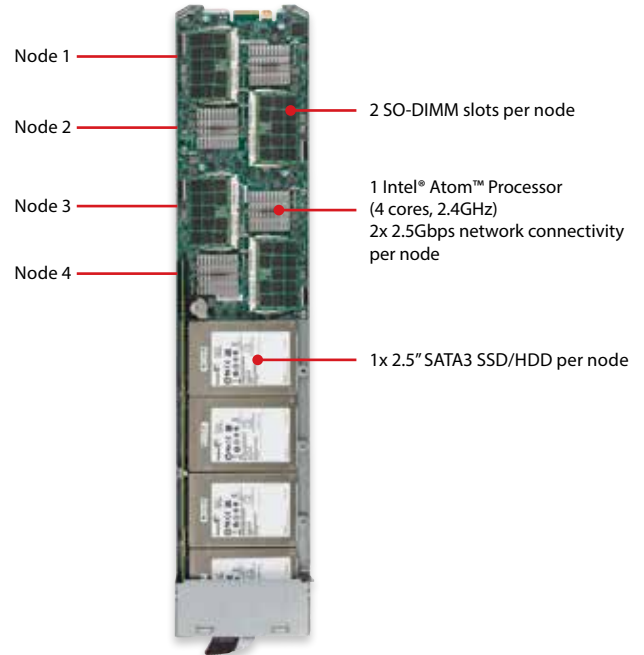
MBI-6418A-T7H

4 Independent UP Nodes



MBI-6418A-T5H

4 Independent UP Nodes



Model	MBI-6418A-T7H	MBI-6418A-T5H
Server Nodes/42U Rack	784	784
Processor	Intel® Atom™ Processor C2750 8 cores, 2.4GHz	Intel® Atom™ Processor C2550 4 cores, 2.4GHz
Chipset	System-on-Chip	System-on-Chip
Memory Support	2x DDR3-1600/1333 ECC SO-DIMMs per node	2x DDR3-1600/1333 ECC SO-DIMMs per node
Max Memory	Up to 32GB per node	Up to 32GB per node
Expansion & Drive Bays	1x 2.5" SATA3 SSD/HDD and 1x SuperDOM Port per node	1x 2.5" SATA3 SSD/HDD and 1x SuperDOM Port per node
Storage RAID	N/A	N/A
Ethernet Interface	Dual-port 2.5Gbps LAN per node	Dual-port 2.5Gbps LAN per node
Management	IPMI 2.0, KVM over IP, Virtual Media over LAN	IPMI 2.0, KVM over IP, Virtual Media over LAN
LED Indicators	Power LED UID / KVM LED Network Activity LED Fault LED	Power LED UID / KVM LED Network Activity LED Fault LED
Dimensions (H x W x D)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (489.28mm)	1.2" (30.48mm) x 4.94" (125.48mm) x 23.2" (489.28mm)
Chassis	6U: • MBE-628E-416 • MBE-628L-816	6U: • MBE-628E-416 • MBE-628L-816

MicroBlade

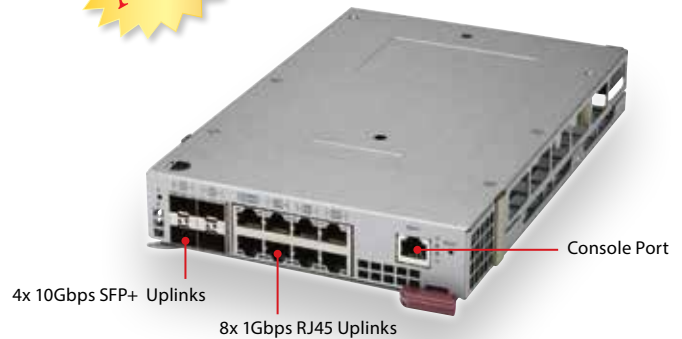
MicroBlade Broadcom Based Switches



10Gbps Switch MBM-XEM-002



1Gbps Switch MBM-GEM-004



MBE-628E-416/420 or MBE-628E-816/820
(6U MicroBlade Rear View)



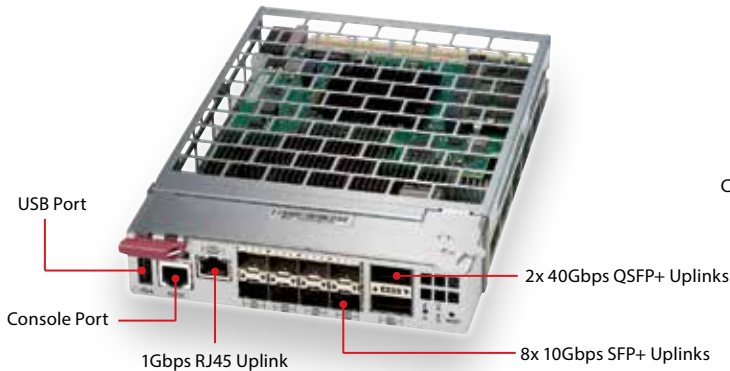
MBE-314E-416/420 or MBE-314E-816/820
(3U MicroBlade Rear View)

Model	MicroBlade Switch	
	MBM-XEM-002	MBM-GEM-004
General Specifications	<ul style="list-style-type: none"> Broadcom 10Gbps Ethernet Low Latency Switch 2x 40Gbps Ethernet QSFP+ or 4x 10Gbps Ethernet SFP+ Uplinks 56x 10/2.5/1Gbps Ethernet Downlinks 1 Console port 1 USB port 	<ul style="list-style-type: none"> Broadcom 1Gbps Ethernet Low Latency Switch 4x 10Gbps Ethernet SFP+ and 8x 1Gbps Ethernet RJ45 Uplinks 28x 1Gbps Ethernet Downlinks 1 Console port
Switching Capacity	1280Gbps	152Gbps
Physical Layer Features	<ul style="list-style-type: none"> Jumbo frames up to 9KB 40Gbps optical/copper Optional 10Gbps Ethernet optical/copper 	<ul style="list-style-type: none"> Jumbo frames up to 9KB Optional 10Gbps Ethernet optical/copper 1Gbps Ethernet copper
Layer 2 Features	<ul style="list-style-type: none"> 4K VLANs Spanning Tree Protocol (802.1D) Rapid Spanning Tree Protocol (802.1w) Multiple Spanning Tree Protocol (802.1s) MAC Address: -XEM-002: 128K -GEM-004: 64K 	<ul style="list-style-type: none"> IEEE 802.1Q VLANs/ port-based VLANs IEEE 802.3ad with LACP IEEE 802.1AB Link Layer Discovery Protocol (LLDP) Multi-Chassis Link Aggregation (M-LAG)
Advanced Layer 2 Features	<ul style="list-style-type: none"> Storm control Flow control Port mirroring Uplink Failure Detection 	
Layer 3 Features	<ul style="list-style-type: none"> OSPF BGP DHCP Server 	
Security Features	<ul style="list-style-type: none"> Switch access password protection RADIUS and TACACS+ Authentication Access Control Lists (ACLs) SSH, SSL Encryption 	
System Management	<ul style="list-style-type: none"> Industry Standard CLI SNMP v1/v2/v3 SSH Syslog DHCP (Client) 	<ul style="list-style-type: none"> Web-based management interface NTP RMON Zero Touch Provisioning
Multicast	IGMP Snooping	
Weight	3.2lbs/1.5kg	3.1lbs/1.4kg
Dimensions (H x W x D)	1.4" (36mm) x 10.5" (267mm) x 6.25" (159mm)	

MicroBlade Intel® Based Switches

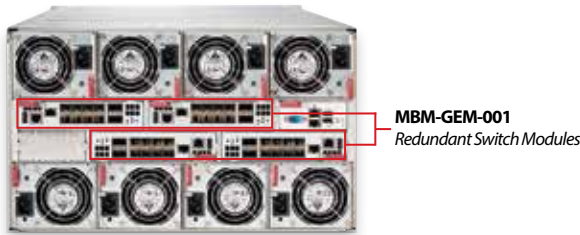
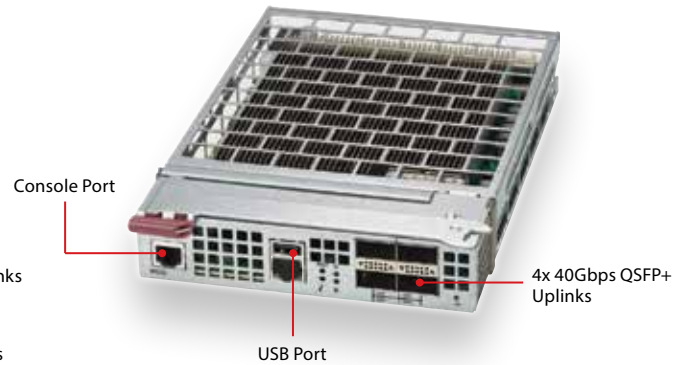
2.5/1Gbps Switch

MBM-GEM-001

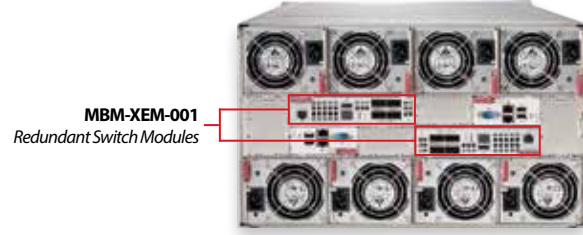


10/2.5/1Gbps Switch

MBM-XEM-001



MBE-628L-416 or MBE-628L-816
(6U MicroBlade Rear View)



MBE-628E-416/420 or MBE-628E-816/820
(3U MicroBlade Rear View)

Model	MicroBlade Switch	
	MBM-GEM-001	MBM-XEM-001
General Specifications	<ul style="list-style-type: none"> Intel® 1Gbps Ethernet Low Latency Switch 1Gbps Ethernet RJ45, 2x 40Gbps Ethernet QSFP+ or 8x 10Gbps Ethernet SFP+ Uplinks 56x 2.5/1Gbps Ethernet Downlinks 1 Console port 1 USB port 	<ul style="list-style-type: none"> Intel® 10Gbps Ethernet Low Latency Switch 4x 40Gbps Ethernet QSFP+ Uplinks 56x 10/2.5/1Gbps Ethernet Downlinks 1 Console port 1 USB port
Switching Capacity	442Gbps	880Gbps
Physical Layer Features	<ul style="list-style-type: none"> 40Gbps optical/copper 10Gbps optical/copper 1Gbps copper Jumbo frames up to 9KB 	<ul style="list-style-type: none"> 40Gbps optical/copper Jumbo frames up to 9KB 1Gbps copper
Layer 2 Features	<ul style="list-style-type: none"> 4K VLANs Spanning Tree Protocol (802.1D) Rapid Spanning Tree Protocol (802.1w) Multiple Spanning Tree Protocol (802.1s) 	<ul style="list-style-type: none"> IEEE 802.1Q VLANs/ port-based VLANs IEEE 802.3ac VLAN tagging IEEE 802.1AX LAG IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
Advanced Layer 2 Features	<ul style="list-style-type: none"> Storm control Flow control Port mirroring 	<ul style="list-style-type: none"> Static MAC filtering Unidirectional Link Detection (UDLD) Uplink Failure Detection (UFD)
Data Center Features	<ul style="list-style-type: none"> L2 Data Center Bridging CEE v1.01 DCB for PFC/ETS 	
SDN	Open Flow	
Security Features	<ul style="list-style-type: none"> Switch access password protection RADIUS and TACACS+ Authentication 	<ul style="list-style-type: none"> SSH, SSL Encryption Access Control Lists (to 4K) SSH, SSL Encryption SSH, SSL Encryption
System Management	<ul style="list-style-type: none"> XML-RPC Industry Standard CLI Auto Command completion Content-sensitive "Help" SNMP v1/v2/v3 SSH 	<ul style="list-style-type: none"> TFTP Client Syslog DHCP (Client) Web-based management interface – HTTP/HTTPS NTP
Multicast	IGMP Snooping	
Weight	3.2 lbs/1.5kg	3.1 lbs/1.4kg
Dimensions (H x W x D)	1.4" (36mm) x 10.5" (267mm) x 6.25" (159mm)	

MicroBlade Power Supply and Power Cable Guide



Key Advantages of Supermicro High-Efficiency MicroBlade Power Supplies

Availability – Non-stop power with N+1 or N+N up to 8 redundant power supply modules

Cost Saving – With 96%+ efficiency (Titanium Level) power supplies, power consumption is significantly reduced, providing a planet-friendly, real-world advantage for our environment

Investment Protection – Power capacity headroom for future generation processors

Easy Installation – Snap-in installation from the back of the chassis, hot-swappable in operation

Intelligent Power Infrastructure – Each power enclosure includes a power management module that monitors the power supplies and the power enclosure that connects to the blade management

Model	PWS-2K01A-BR	PWS-1K67P-1R	PWS-2K02D-BR
Output	2000W/1980W/1800W/1000W	1600W/1400W/1200W	2000W
Type	Redundant Module (N+1 or N+N)	Redundant Module (N+1 or N+N)	Redundant Module (N+1 or N+N)
+12V	<ul style="list-style-type: none"> • 166.7A (2000W) • 165A (1980W) • 150A (1800W) • 83.3A (1000W) 	<ul style="list-style-type: none"> • 133A (1600W) • 116.7A (1400W) • 100A (1200W) 	<ul style="list-style-type: none"> • 166.7A (2000W) • 133.3A (1600W)
5VSB	4.2A	4.2A	4.2A
PFC	Yes	Yes	No
Peak Efficiency	96%+ efficiency (Titanium Level)	95%+ efficiency (Platinum Level)	92%+ efficiency
Input Range	<ul style="list-style-type: none"> • 100-127V (1000W) • 200-220V (1800W) • 220-230V (1980W) • 230-240V (2000W) • 200-240V (2000W for UL & cUL) 	<ul style="list-style-type: none"> • 100-120V (1200W) • 120-140V (1400W) • 200-240V (1600W) 	<ul style="list-style-type: none"> • -40-44Vdc (1600W) • -44-66Vdc (2000W)
Operating Conditions	Temp: 0 to 50°C Humidity: 5 to 95% RH	Temp: 0 to 50°C Humidity: 5 to 95% RH	Temp: 0~50°C
Fan Type	80x80mm counter rotating fan	80x38mm fan	80x80mm counter rotating fan

At the current time, the Supermicro® MicroBlade is shipping with power supplies of 2000W, and 1600W. Table 1 below illustrates the various Power Supplies offered by Supermicro. This table shows the maximum power requirement of each model.

Power Supply Amperage Draw

Model	Watts	Low Volts	High Volts	Low Amps	10% Reserve	High Amps	10% Reserve	Max Amps
PWS-2K01A-BR	2000W (UL/cUL only)	200	240	9.8	1.0	11.5	1.2	11.5
PWS-2K01A-BR	2000W	230	240	9.8	1.0	10	1.0	10
PWS-2K01A-BR	1980	220	230	9.8	1.0	10	1.0	10
PWS-2K01A-BR	1800	200	220	9.5	1.0	10	1.0	10
PWS-2K01A-BR	1000	100	127	9.5	1.0	12	1.2	12
PWS-1K67P-1R	1600	100	120	12	1.2	14.2	1.4	14.2
PWS-1K67P-1R	1400	120	140	11.7	1.2	13.7	1.4	13.7
PWS-1K67P-1R	1200	200	240	7	0.7	9.4	0.9	9.4

The Supermicro MicroBlade product includes a power extension cord CBL-PWCD-0579 for 2000W /1600W power supply. The power cord connects the power supply to a wall AC outlet or Power Distribution Unit (optional) in an IT room. The AC outlet and PDU should supply input voltage ranging from 200V to 240V AC.

Before beginning receptacle installation, consider the following:

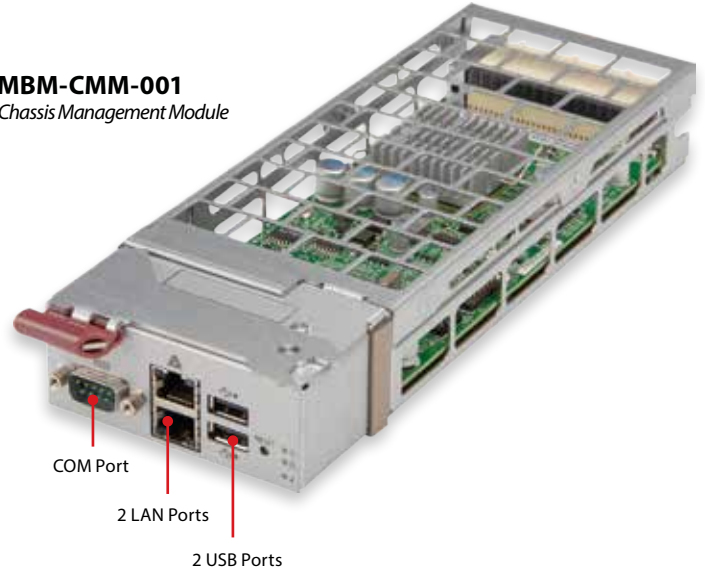
- Observe all local electrical codes and practices.
- Ensure that the AC power receptacle is wired to the site AC power via conductors through flexible meta conduit or via approved AC power cable before installation.
- Ensure that AC power cord is properly sized service rated, temperature rated, and complies with all applicable codes and regulations.
- Ensure that the conductors in conduit are properly sized, service rated, temperature rated, color coded, and comply with all applicable codes and regulations.
- Ensure that the AC power cord or conduit is long enough to reach from the site AC power junction box to location within the distance required for the connection.
- Ensure that the number of power supplies connected to one circuit do not exceed the rated amperage of the circuit.

Chassis Management Module

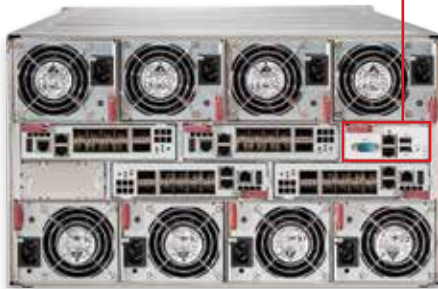
The MicroBlade Chassis Management Module (CMM) provides remote access control capability to the enclosure and components such as individual server blade, power supply, and switch. User enjoys the centralized remote management to monitor and control over the CMM hierarchy at all 3 levels SSM, CMM and IPMI.

Remote access is enabled via IP address to capture server blade status and the next layer of system information at BMC via table summary, which includes: FW rev, FW Build Time, BIOS version, BIOS Build Time, IP Address, BMC MAC Address, System LAN1 MAC Address, System LAN2 MAC Address, Software Module, Management IP and lastly to the whole system's details such as Core, Environment, WebUI, layer 1/2, Platform Advanced Features, Internal Mapping Names, Admin Mode and Operation Mode Status.

MBM-CMM-001
Chassis Management Module

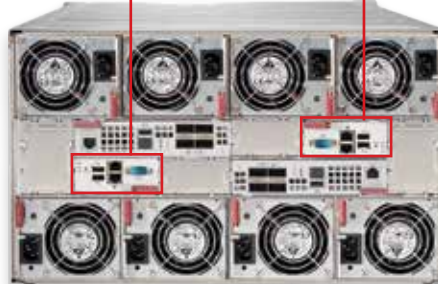


MBM-CMM-001
Chassis Management Module



MBE-628L
6U MicroBlade Enclosure Rear View

MBM-CMM-001
Redundant Chassis Management Modules



MBE-628E
6U MicroBlade Enclosure Rear View

MBM-CMM-001
Chassis Management Module



MBE-314E
3U MicroBlade Enclosure Rear View

Key Features

- Centralized remote management
 - Server Blades
 - Power Supplies
 - Cooling Fans
 - Switches
- Easy Setup.
- Easy Manage.
- Management Tools:
 - IPMIView - CLI, Web-based GUI
 - CMM – Enclosure Monitoring.
 - SSM – Blade Enclosure and Rack.
 - Utilities: SMCIPMITOOL for CMM and IPMICFG for IPMI.
 - OS Support.
- Redundancy and Fail-over
- IPMI 2.0 compliant, with KVM over LAN / KVM over IP
- Serial over LAN (SOL)
- Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Redirection)
- LAN Alert-SNMP Trap
- Event Log
- OS Independent
- Hardware Health Monitor
- Supports RMCP & RMCP+ Protocols
- Remote Access.
- Remote Power Control
- Remote KVM through Network
- Remote Management Processor and sub-system

Specifications

- 2x USB Ports
- Remote Management Processor and sub-system
- 2x LAN ports
- Video ADC, Video Compress FPGA
- I²C, IPMI Management
- 12V Hot-swap Controller
- GBX Backplane Connector

Intel® Xeon® Processor Product Families Supported

MicroCloud

24/12/8 Modular UP Server Nodes in 3U • High-Density, High-Performance
 • High-Efficiency, and Cost-Effective • Easy-to-Service
 • Space Saving, Optimized for Cloud Computing and Web Hosting

New!



SYS-5039MS-H12TRF

12 UP Nodes

12 set of 2x 3.5" SATA3 HDD; or 4x 2.5" SATA3; or
 2x 2.5" **NVMe** + 2x 2.5" SATA3; or
 2x 2.5" **NVMe** + 1x 3.5" SATA3

New!



SYS-5038MD-H8TRF

8 UP Nodes

45W 8-core SoC
 8 sets of 2x 3.5" SATA 3 HDD; or
 2x 2.5" SATA 3 w/ optional kits
 4x M.2 support

New!



SYS-5038MD-H24TRF

24 UP Nodes

45W 6-core SoC
 24 set of 2 x 2.5" SATA3 HDD; or
 24 set of 4x 2.5" Slim SSD w/ optional kit



SYS-5039MS-H12TRF (Skylake)

SYS-5038ML-H12TRF / H12TRFG (Haswell)

**12 Hot-pluggable Nodes in 3U
 (Front I/O)**

4x 2.5" HDDs/Node



SYS-5038MD-H8TRF (XeonD)

SYS-5039MS-H8TRF (Skylake)

SYS-5038ML-H8TRF/OEM (Haswell)

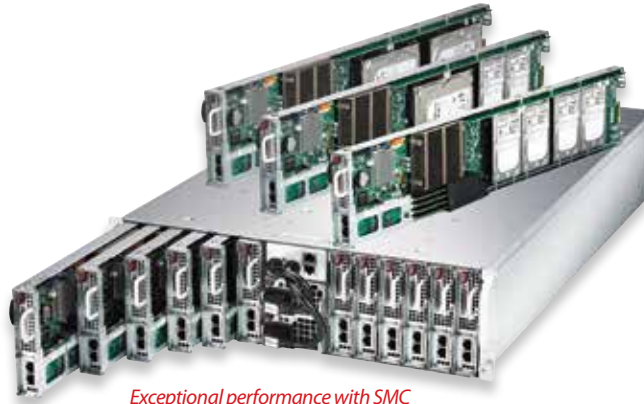
SYS-5038MR-H8TRF (Broadwell)

**8 Hot-pluggable Nodes in 3U
 (Rear I/O)**

The Supermicro MicroCloud modular server system provides the high density, performance, efficiency and cost effectiveness required for today's demanding server deployments. The 24/12/8 modular server nodes are conveniently integrated into a compact 3U chassis that is less than 30 inches deep, saving over 76% of rack space when compared to traditional 1U servers. The cable-less, hot-pluggable server nodes operate independently. Each node provides up to **Up to 128GB DDR4-2133/1866/1600MHz of ECC Unbuffered DIMM** or 128GB RDIMM / 256GB LRDIMM / 512GB LRDIMM ECC DDR4 memory, one PCI-E 3.0 x8 expansion slot for low-profile add-on card, and 2x 2.5" **NVMe**, 2x 3.5", or 4x 2.5" HDDs. The MicroCloud system utilizes redundant **Titanium Level** (96%) high-efficiency power supplies and sophisticated cooling zone controls for a Green energy profile. Each node is powered by the latest Intel® Xeon® Processor **E3-1200 v5** (up to 80W) or Intel® Xeon® Processor **E5-2600 v4/v3** (up to 145W) or Intel® Xeon® processor D (45W) product families.

New!

12 UP Nodes



Exceptional performance with SMC
exclusive 16GB VLP DDR4 ECC UDIMM
(MEM-DR416L-CV01-EU24)**

MODEL	MicroCloud SYS-5039MS-H12TRF
Processor Support	12 set of Intel® Xeon® processor E3-1200 v5, Intel® 6th Gen Core™ i3, Intel® Pentium®, Intel® Celeron® processors product family
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache • Web Hosting, VM • Social Networking • Corporate- WINS, DNS, Print, Login
Outstanding Features	<ul style="list-style-type: none"> • Up to 12x hot-pluggable node in 3U chassis • Flexible HDD selection, 2x 3.5" SATA3 or 4x 2.5" SATA3 or 2x 2.5" NVMe plus 2x 2.5" SATA3 or 2x 2.5" NVMe plus 1x 3.5" SATA 3 • Redundant 2000W Titanium Level high-efficiency power supplies • UID LED • Centralized dedicated management switch port
Serverboard	SUPERMICR X11SSE-F
Chipset	Intel® C236 chipset
System Memory (Max.)*	12 set of up to 64GB Unbuffered ECC Very Low Profile DDR4 2133MHz in 4 DIMM slots
Expansion Slots	12 set of Micro-LP slots (MicroLP upgradable)
Onboard Storage Controller	12 set of Intel® C236 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10
Connectivity	12 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	12 set of AST2400 VGA
Management	Single dedicate management port, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12 set of 2x 3.5" SATA3 HDD; or 4x 2.5" SATA3; or 2x 2.5" NVMe + 2x 2.5" SATA3; or 2x 2.5" NVMe + 1x 3.5" SATA3
Power Supply	2000W Redundant Titanium Level high-efficiency power supplies
Cooling System	4x 9cm heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** Memory not included

MicroCloud

New! 8 UP Nodes



MODEL	MicroCloud SYS-5039MS-H8TRF
Processor Support	8 set of Intel® Xeon® processor E3-1200 v5, Intel® 6th Gen Core™ i3, Intel® Pentium®, Intel® Celeron® processors product family
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache • Web Hosting, VM • Social Networking
Outstanding Features	<ul style="list-style-type: none"> • Up to 8x hot-pluggable node in 3U chassis • 1 PCI-E 3.0 (x8) low-profile • Redundant 1600W Titanium Level high-efficiency power supplies • Hot-swappable SAS/SATA3 HDDs • UID LED
Serverboard	SUPER● X11SSD-F
Chipset	Intel® C236 chipset
System Memory (Max.)*	8 set of up to 64GB Unbuffered ECC Low Profile DDR4 2133MHz in 4 DIMM slots
Expansion Slots	8 set of PCI-E 3.0 x8 low profile slot and 8 set of Micro-LP slots (MicroLP upgradable)
Onboard Storage Controller	8 set of Intel® C236 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1,5,10: Selected low-profile RAID or HBA RAID card to support SAS HDD
Connectivity	8 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	8 set of AST2400 VGA
Management	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8 set of 2x 3.5" SATA3 HDD; or 2x 2.5" SATA3 w/ option kits
Power Supply	1600W Redundant Titanium Level high-efficiency power supplies
Cooling System	4x 8cm hot-swap cooling fans with fan speed control
Form Factor	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** Memory not included

New! 8 UP Nodes



MODEL	MicroCloud SYS-5038MD-H8TRF
Processor Support	8 set of Intel® Xeon® processor D-1541, 8-Core, 45W
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache • Web Hosting, VM • Social Networking • CDN
Outstanding Features	<ul style="list-style-type: none"> • 4x M.2 support (3x 22110, 1x 2240) • Up to 8x hot-pluggable node in 3U chassis • 1 PCI-E 3.0 (x8) low-profile • Redundant 1600W Titanium Level high-efficiency power supplies • Hot-swappable SAS/SATA3 HDDs • UID LED
Serverboard	SUPERMICR® X10SDD-F
Chipset	Intel® Xeon® Processor D SoC
System Memory (Max.)*	8 set of up to 128GB DDR4 ECC RDIMM, 64GB DDR4 ECC/non-ECC UDIMM, in 4 DIMM slots
Expansion Slots	8 set of PCI-E 3.0 x8 low profile slot and 8 set of Micro-LP slots (MicroLP upgradable)
Onboard Storage Controller	8 set of System on Chip
Connectivity	8 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	8 set of AST2400 VGA
Management	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8 set of 2x 3.5" SATA3 HDD; or 2x 2.5" SATA3 w/ option kits
Power Supply	1600W Redundant Titanium Level high-efficiency power supplies
Cooling System	4x 8cm hot-swap cooling fans with fan speed control
Form Factor	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** Memory not included

24 UP Nodes



MODEL	MicroCloud SYS-5038MD-H24TRF
Processor Support	24 set of Intel® Xeon® Processor D-1531, 6-core, 45W
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache • Web Hosting, VM • Social Networking • CDN
Outstanding Features	<ul style="list-style-type: none"> • Low Power Xeon D SoC 6 Core • Dual Intel i350 GbE LAN • 128GB DDR4 ECC RDIMM/64GB ECC UDIMM • Redundant 1600W Platinum Level power supply • UID LED
Serverboard	SUPERMICRO® X10SDE-DF
Chipset	Intel® Xeon® Processor D SoC
System Memory (Max.)*	24 set of up to 128GB DDR4 VLP ECC RDIMM/64GB DDR4 VLP ECC UDIMM in 4 DIMM slots
Expansion Slots	N/A
Onboard Storage Controller	24 set of SoC controller for 2 SATA3 (6 Gbps) port
Connectivity	24 set of Dual port GbE and 1 dedicated IPMI per node
VGA/Audio	24 set of AST2400 VGA
Management	12 set of IPMI 2.0 + KVM with dedicated LAN (1 set shared between 2 nodes)
Drive Bays	24 set of 1x 2.5" HDD fixed per node.
Power Supply	1600W Redundant Platinum Level High-Efficiency power supplies
Cooling System	4x 9cm Heavy duty fan with optimal cooling zone
Form Factor	3U Rackmount 438 x 132 x 749.3mm (17.5" x 5.21" x 29.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

** Memory not included

24 UP Nodes



MODEL	MicroCloud SYS-5038MA-H24TRF
Processor Support	24 set of Intel® Atom™ processor C2750 (20W, 8-Core)
Key Applications	<ul style="list-style-type: none"> • CDN • Hosting & Application delivery • Web Cache • Web Server • Memcache
Outstanding Features	<ul style="list-style-type: none"> • 24x Intel® Atom™ processor Nodes in 12 hot-plug sleds, 2 nodes per sled • 1620W Redundant Platinum Level high-Efficiency power supplies • 2x 2.5" SATA 3.0 (6Gbps) HDDs per node • 2 Gigabit Ethernet Ports per Node • 32GB of DDR3 Unb. VLP ECC Memory per Node
Serverboard	SUPERMICR® A1SA2-2750F
Chipset	Intel® Atom™ processor SoC
System Memory (Max.)*	24 set of up to 32GB ECC UDIMM, VLP DDR3-1600MHz in 4 DIMM Slots
Expansion Slots	N/A
Onboard Storage Controller	24 set of Intel® Atom™ processor SoC for SATA3 (6Gbps) ports; RAID 0,1
Connectivity	24 set of Dual port GbE
VGA/Audio	24 set of AST2400 VGA
Management	12 set of IPMI 2.0 + KVM with dedicated LAN (1 set shared between 2 nodes)
Drive Bays	24 set of 2x 2.5" SATA3 fixed HDDs per node
Power Supply	1620W Redundant Platinum Level High-Efficiency power supplies
Cooling System	4x 9cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

24 UP Nodes



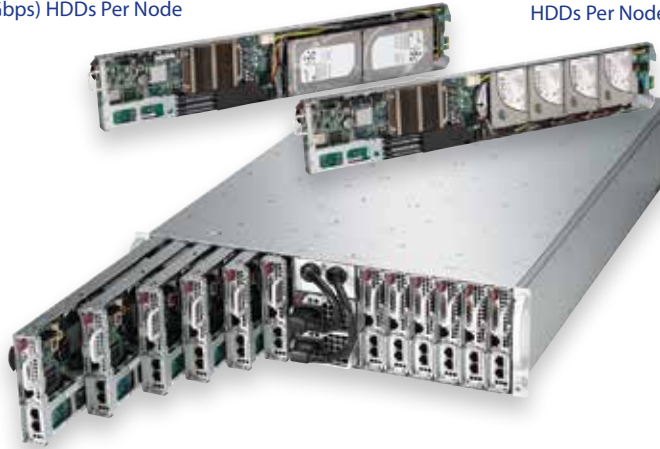
MODEL	MicroCloud SYS-5038ML-H24TRF
Processor Support	24 set of 4 th Generation Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor or Intel® Xeon® processor E3-1200 v3 product families; Socket H3 (LGA 1150) up to 80W CPU
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download
Outstanding Features	<ul style="list-style-type: none"> • 24x UP Nodes in 12 hot-plug sleds, 2 nodes per sled • 2000W Redundant Platinum Level Digital high-efficiency power supplies • 2x 2.5" SATA3 (6Gbps) HDDs or 4x 2.5" slim SDD w/ optional kit per sled • IPMI 2.0 + KVM with dedicated LAN • Multi-node UP server • UID LED
Serverboard	SUPERMICRO X10SLE-DF
Chipset	Intel® C224 chipset
System Memory (Max.)*	24 set of up to 32GB ECC UDIMM, VLP DDR3-1600 MHz in 4 DIMM slots
Expansion Slots	N/A
Onboard Storage Controller	24 set of Intel® C224 controller for 2 SATA 3 *6Gbps) ports; RAID 0, 1,5, 10
Connectivity	24 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	24 set of AST2400 VGA
Management	12 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 set of 1x 2.5" SATA3 fixed HDDs; or 2x 2.5" slim SSD w/ optional kit
Power Supply	2000W Redundant Platinum Level Digital high-efficiency power supplies
Cooling System	4x 9cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 444.5 x 132.5 x 791.2mm (17.5" x 5.21" x 31.15")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

12 Hot-plug UP Nodes

2x 3.5" SATA3
(6Gbps) HDDs Per Node

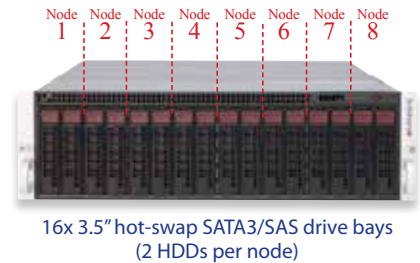
4x 2.5" SATA (3Gbps)
HDDs Per Node



MODEL	MicroCloud SYS-5038ML-H12TRF SYS-5038ML-H12TRFG
Processor Support	12 set of 4 th Generation Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor or Intel® Xeon® processor E3-1200 v4/v3 product families; Socket H3 (LGA 1150) up to 80W CPU
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download
Outstanding Features	<ul style="list-style-type: none"> • 12x Hot-plug UP Nodes in 3U • 1620W Redundant Platinum Level high-efficiency power supplies • 4x 2.5" SATA / 2x 3.5 HDDs per node • IPMI 2.0 + KVM with dedicated LAN • UID LED
Serverboard	<p>-H12TRF: SUPERMICR® X10SLE-F -H12TRFG: SUPERMICR® X10SLE-HF (-OEM)</p>
Chipset	<p>-H12TRF: Intel® C224 chipset -H12TRFG: Intel® C226 chipset</p>
System Memory (Max.)*	12 set of up to 32GB ECC UDIMM, VLP DDR3-1600 MHz in 4 DIMM slots
Expansion Slots	12 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	12 set of Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	12 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	12 set of AST2400 VGA
Management	12 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12 set of 2x 3.5" SATA3 fixed HDDs or 4x 2.5" fixed SATA3 HDDs w/ optional kit
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 9cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

8 Hot-plug UP Nodes



MODEL	MicroCloud SYS-5038ML-H8TRF SYS-5038ML-H8TRF-OEM
Processor Support	8 set of 4th Generation Intel® Core™ i3 processor, Intel® Celeron® processor, Intel® Pentium® processor or Intel® Xeon® processor E3-1200 v4/v3 product families; Socket H3 (LGA 1150), up to 84W CPU
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download
Outstanding Features	<ul style="list-style-type: none"> • 8x Hot-plug UP Nodes in 3U • 1 PCI-E x8 slot • 1620W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Hot-swappable SAS/SATA3 (6Gbps) HDDs • UID LED
Serverboard	SUPER● X10SLD-F SUPER● X10SLD-HF (-OEM)
Chipset	Intel® C224 chipset Intel® C226 chipset (-OEM)
System Memory (Max.)*	8 set of up to 32GB ECC UDIMM, DDR3-1600 MHz in 4 DIMM slots
Expansion Slots	8 set of PCI-E 3.0 x8 low-profile slot and 8 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	8 set of Intel® C224 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; Selected low-profile RAID or HBA RAID card to support SAS HDD
Connectivity	8 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	8 set of AST2400 VGA
Management	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8 set of 2x 3.5" hot-swap SAS/SATA3 (6Gbps) HDDs
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

8 Hot-plug UP Nodes



MODEL	MicroCloud SYS-5038MR-H8TRF
Processor Support	8 set of Intel® Xeon® Processor E5-2600 v4/v3 product families, and Intel® Xeon® Processor E5-1600 v4/v3 product families
Key Applications	<ul style="list-style-type: none"> • CDN • Cloud Computing • Social Networking • Video Streaming • Web Cache
Outstanding Features	<ul style="list-style-type: none"> • 8 x Hot-plug UP nodes in 3U • 1 x PCI-E x8 slot • 1620W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Hot-swappable SAS/SATA3 (6Gbps) HDDs • UID LED
Serverboard	SUPER● X10SRD-F
Chipset	Intel® C612 Chipset
System Memory (Max.)*	4 DIMMs per node, support up to 512GB ECC 3DS LRDIMM / 256GB ECC LRDIMM / 128GB ECC RDIMMs 2400/2133/1866/1600 MHz Memory
Expansion Slots	8 set of 1 PCI-E 3.0 x8 (low profile) and 8 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	8 set of Intel® C612 for 2 SATA3 (6Gbps) ports; RAID 0, 1; Selected low-profile RAID or HBA RAID card to support SAS HDD
Connectivity	8 set of Dual LAN with 2x Intel I350 Gigabit Ethernet controllers
VGA/Audio	8 set of AST2400 VGA
Management	8 set of Dedicated Management LAN port
Drive Bays	8 set of 2 x 3.5" hot-swap SATA3/SAS (6Gbps) drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm hot-swap cooling fans with fan speed control
Form Factor	3U Rackmount 387 x 132 x 585mm (15.25" x 5.2" x 23")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Intel® Xeon® Processor E5-2600 v4 Product Family Supported

SuperWorkstation

Server Grade Quality for Knowledge Workers

Supports up to: • 44 Cores per Server and 160W TDP • 2TB DDR4-2400MHz in 16 DIMMs
• 4 GPU/Intel® Xeon Phi™ coprocessor with PCI-E 3.0 x16 • 7.1 HD Audio / SLI / Thunderbolt

High Performance Super Workstation,
Versatile Features & I/O Access



SYS-5039A-i

Compact DP Workstation
5 PCI-E 3.0, Up to 2x Double-width GPUs +
1x Single-width Graphics Card, 7.1 HD Audio,
Thunderbolt Support



SYS-7038A-i

Powerful Multitasking UP Workstation
4 PCI-E 3.0, SATA 3.0 (6Gbps) support,
7.1 HD Audio



SYS-5038A-i / SYS-5038AD-i / SYS-5038AD-T

DP Workstation
5 PCI-E 3.0, Up to 2x Double-width GPUs +
1x Single-width Graphics Card, 7.1 HD Audio, Thunderbolt Support



SYS-7048A-T

4U GPU Workstation
Redundant 2000W Titanium Level power, Xeon Phi™/Tesla® Ready!
7x PCI-E slots, 7.1 HD Audio Header, Thunderbolt Support



SYS-7048GR-TR

Server Grade Quality for Knowledge Workers

Supermicro's server grade SuperWorkstation systems support up to: 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots, 3 PCI-E 3.0 x16 slots for GPU/Intel® Xeon Phi™ coprocessor, and dual Gigabit Ethernet LAN ports. Other important workstation features include 7.1 HD audio, 11 USB ports (6 USB 3.0), SLI, Thunderbolt AOC, and 160W CPU support with dual Intel® Xeon® processor E5-2600 v4/v3 product families up to 44 cores per system.



Supermicro SuperWorkstations are optimized for customer applications requiring high I/O throughput, storage capacity, and powerful graphics capabilities. In addition, with Supermicro's signature server grade quality and support, customers will benefit from more processing capacity in less space with better efficiency, with less noise. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro SuperWorkstations are optimized for customer applications requiring high I/O throughput, storage capacity, and powerful graphics capabilities including Science & Engineering, CAD/CAE/CAM, Digital Content Creation, Oil & Gas, and Digital Imaging. The rich multimedia features are excellent for Digital Entertainment.



New!
High Performance Super Workstation,
Versatile Features & I/O Access

Thunderbolt Support
Supports 2 GPU/Intel® Xeon Phi™
coprocessor

Thunderbolt Support
Supports 2 GPU/Intel® Xeon Phi™
coprocessor



MODEL	SuperServer® SYS-5039A-iL	SuperWorkstation SYS-7038A-i	SuperWorkstation SYS-7048A-T
Processor Support	6th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor product families; Intel® Xeon® processor E3-1200 v5 product families	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s (up to 160W)	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s (up to 160W)
Key Applications	<ul style="list-style-type: none"> CAD/CAM/CAE Digital Imaging Entry-Level Workstation Medical Applications Oil & Gas Simulation & Automation 	2D/3D and CAD Applications 3D Rendering CAD/CAM/CAE Digital Content Creation Digital Imaging	<ul style="list-style-type: none"> 2D/3D and CAD Applications 3D Rendering CAD/CAM/CAE Digital Content Creation Digital Imaging
Outstanding Features	<ul style="list-style-type: none"> Cost effective UP platform SATA 3.0 (6Gbps) support 	Thunderbolt 2.0 AOC Support Support 2 double width GPUs + 1 single width graphic card 6x USB 3.0 ports Up to 160W CPU support	<ul style="list-style-type: none"> Tower or 4U Rackmount System Thunderbolt 2.0 AOC Support Support 2 double-width + 1 single-width GPUs/ Xeon Phi™ Coprocessors 8x 3.5" hot-swap drive bays Up to 160W CPU support
Serverboard	SUPER● X11SAE	SUPER● X10DAi	SUPER● X10DAi
Chipset	Intel® C236 chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 64GB Unbuffered ECC/non-ECC, DDR4-2133MHz in 4 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (x16/NA or x8/x8); 2 PCI-E 3.0 x1 (in x4); 2 PCI-32 Slots	3 PCI-E 3.0 x16 (2 double-width, 1 single-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 3.0 x4 (1 in x16 slot), Support Thunderbolt 2.0 AOC	3 PCI-E 3.0 x16 (2 double-width, 1 single-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 3.0 x4 (1 in x16 slot), Support Thunderbolt 2.0 AOC
Onboard Storage Controller	Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10 + 1 PCI-E M.2(PCI-E x4, 2242/2260/2280)(No Raid Support)	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Single LAN with Intel® Ethernet Controller i210-AT; Single LAN with Intel® PHY I219LM LAN controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller
VGA/Audio	1 DVI - D, 1 DP (DisplayPort), 1 HDMI ALC 888S HD Audio	7.1 HD Audio	7.1 HD Audio
Management	AMT; SuperDoctor® 5; vPro; Watchdog;	NMI, SuperDoctor® 5, Watchdog	NMI, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" internal fixed drive bays; Optional 4x 2.5" internal fixed drive bays	4x 3.5" internal fixed drive bays; optional 4x 2.5" internal fixed drive bays	8x 3.5" hot-swap SAS/SATA drive bay
Peripheral Bays	2x standard 5.25" drive bays; 1x 3.5" device bay	2x standard 5.25" drive bays; 1x 3.5" device bay	3x standard 5.25" drive bays
Power Supply	500W high-efficiency power supply	900W Gold Level Multi-Output Power Supply	1200W Platinum Level Multi-Output Power Supply
Cooling System	1x 12cm (1859 RPM)	2x 12cm (1859 RPM)	2x 2800 RPM fan; 1x 2700 RPM fan
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Tower/4U Rackmount 452 x 178 x 647mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



Thunderbolt Support
Supports 4 GPU/Intel® Xeon Phi™ coprocessor



4U GPU (Active Cooling)
Xeon Phi™/Tesla® Kepler Ready!

4U GPU (Passive Cooling)
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-7048GR-TR	SuperServer® SYS-7047GR-TRF	SuperServer® SYS-7047GR-TPRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Simulation and Creation Design Imaging and Computer Vision 	<ul style="list-style-type: none"> GPU Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas applications Medical applications 	<ul style="list-style-type: none"> GPU Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas applications Medical applications
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 2000W Redundant Titanium Level high-efficiency power supplies 16 DIMM slots 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 + KVM with dedicated LAN 7.1 HD Audio Header 4 x PCI-E 3.0 x16 slots, 2 x PCI-E 3.0 x8 (1 in x16), 1 x PCI-E 2.0 x4 (in x8) 	<ul style="list-style-type: none"> Up to 4 GPU Xeon Phi™ cards 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 4 GPU Xeon Phi™ cards 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER® X10DRG-Q	SUPER® X9DRG-QF	SUPER® X9DRG-QF
Chipset	Intel® C612 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 (in x8), Support Thunderbolt 2.0 AOC	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)
Onboard Storage Controller	Intel® C612 AHCI controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10;	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x hot-swap 3.5" SAS/SATA drive bays	8x hot-swap 3.5" SAS/SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay
Power Supply	2000W Redundant Titanium Level high-efficiency power supplies with iFC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	4x 92x38mm 4-pin PWM Middle Cooling Fans, 2x 80x38mm 4-pin PWM Rear Exhaust Fans	4x 9cm hot-swap cooling fans with optimal fan speed control 2x 8cm hot-swap exhaust fan	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan
Form Factor	4U Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



DP Workstation



DP Workstation



MODEL	SuperWorkstation SYS-7047A-73	SuperWorkstation SYS-7047A-T
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • CAD/CAM/CAE • Video Editing • Digital Content Creation • Financial Analysis & Research 	<ul style="list-style-type: none"> • CAD/CAM/CAE • Video Editing • Digital Content Creation • Financial Analysis & Research
Outstanding Features	<ul style="list-style-type: none"> • SAS 2.0 support • 4 USB 3.0 ports • 1200W Platinum Level high-efficiency power supply • Whisper-Quiet 27dB 	<ul style="list-style-type: none"> • 4 USB 3.0 ports • 1200W Platinum Level high-efficiency power supply • Whisper-Quiet 27dB
Serverboard	SUPER● X9DA7	SUPER● X9DAi
Chipset	Intel® C602 chipset with QPI up to 8GT/s	Intel® C602 chipset with QPI up to 8GT/s
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)
Onboard Storage Controller	LSI 2308 controller 8 SAS ports; 2 SATA3 and 2 SATA2 with RAID 0, 1, 5, 10 from AHCI; 4 SATA2 RAID 0, 1, 5, 10 from SCU	2 SATA3 and 4 SATA2 with RAID 0, 1, 5, 10 from AHCI + 4 SATA2 RAID 0, 1, 5, 10 from SCU
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers; 2 IEEE 1394a headers	Dual LAN with Intel® i350 Gigabit Ethernet Controllers; 2 IEEE 1394a headers
VGA/Audio	7.1 HD audio	7.1 HD audio
Management	SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	90-degree rotatable module: 3x 5.25" drive bays	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	1200W Platinum Level high-efficiency power supply with I ² C	1200W Platinum Level high-efficiency power supply with I ² C
Cooling System	2x 8cm super quiet PWM fans and 1 x 9cm super quiet exhaust fans with optimal fan speed control	2x 8cm super quiet PWM fans and 1 x 9cm super quiet exhaust fans with optimal fan speed control
Form Factor	4U Rackmount/Tower 452 x 178 x 648mm (17.8" x 7" x 25.5")	4U Rackmount/Tower 452 x 178 x 648mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



**Enterprise-Class
Hyper-Speed**



**Enterprise-Class
Hyper-Speed**



MODEL	SuperServer® SYS-7047AX-72RF	SuperServer® SYS-7047AX-TRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Financial Analysis Business Critical Applications Enterprise Server Oil & Gas Enterprise class Hyper-Speed 	<ul style="list-style-type: none"> Financial Analysis Business Critical Applications Enterprise Server Oil & Gas Enterprise class Hyper-Speed
Outstanding Features	<ul style="list-style-type: none"> SAS RAID 0,1,10,5,50,60 8x 3.5" SATA drives Dual port IEEE 1394a headers 1280W Platinum Level Digital redundant high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 8x 3.5" SATA drives Dual port IEEE 1394a headers 1280W Platinum Level Digital redundant high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DAX-7F	SUPER® X9DAX-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8
Onboard Storage Controller	LSI 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0,1,5,10,50,60 Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Intel® i350 Dual Port Gigabit Ethernet LAN	Intel® i350 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics 7.1 HD audio	Matrox® G200eW graphics 7.1 HD audio
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	90-degree rotatable module: 3x 5.25" drive bays	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	1280W Platinum Level Digital high-efficiency redundant power supplies with I ² C & PMBus	1280W Platinum Level Digital high-efficiency redundant power supplies with I ² C & PMBus
Cooling System	4x 9cm hot-swap cooling fans and 2x 8cm exhaust fans with optimal fan speed	4x 9cm hot-swap cooling fans and 2x 8cm exhaust fans with optimal fan speed
Form Factor	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!
**High Performance Super
 Workstation, Versatile Features**

**High Performance Super
 Workstation, Versatile Features &
 I/O Access**

**Gaming System,
 Extreme Performance,
 Triple Display Support**



MODEL	SuperWorkstation SYS-5038A-i	SuperWorkstation SYS-5038A-iL	SuperWorkstation SYS-5038AD-T
Processor Support	Single Intel® Xeon® Processor E5-2600 v3, Intel® Xeon® Processor E5-1600 v3, 4th gen. Intel® Core™ i7 processor product families	4th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, Intel® Core™ i3 Processor, Intel® Xeon® processor E3-1200 v3 product families	4th Generation Intel® Core™ i7 Processor, Intel® Core™ i5 Processor, and Intel® Core™ i3 Processor product families
Key Applications	<ul style="list-style-type: none"> Powerful Multitasking Workstation 2D/3D and CAD Applications High Performance Computer Cluster (HPC) 	<ul style="list-style-type: none"> CAD/CAM/CAE Digital Imaging Entry-Level Workstation High-performance computing Medical Applications Oil & Gas Simulation & Automation 	<ul style="list-style-type: none"> Gaming HPC Media/Streaming Multimedia Appliance
Outstanding Features	<ul style="list-style-type: none"> Whisper-quiet operation (21dB) SATA 3.0 (6Gbps) support 900W Gold Level Multi-Output power supply 	<ul style="list-style-type: none"> Cost effective UP platform SATA 3.0 (6Gbps) support 	<ul style="list-style-type: none"> SATA 3.0 (6Gbps) support 900W Gold Level Multi-Output power supply
Serverboard	SUPER● X10SRA	SUPER● X10SAE	SUPER● C7Z87-OCE
Chipset	Intel® C612 chipset	Intel® C226 chipset	Intel® Z87 chipset
System Memory (Max.)*	Up to 512GB ECC DDR4 2133MHz LRDIMM or 64GB ECC/non-ECC UDIMM (available with Core i7 only); 8 DIMM slots	Up to 32GB ECC/Non-ECC UDIMM in 4 slots; DDR3 up to 1600 MHz	Up to 32GB Unbuffered non-ECC, DDR3-1600 MHz in 4 DIMM slots (support overlocking up to 2133MHz (OC**)/2200MHz (OC**)/2400MHz (OC**)/2600MHz (OC*)/2800MHz (OC**)/3000MHz (OC**))
Expansion Slots	4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8) 2x PCI-E 2.0 x1 (in x4) slots	2 PCI-E 3.0 x16 (x16/NA or x8/x8); 3 PCI-E 2.0 x1 in x4 slots 2 PCI-E 32-bit	3 PCI-E 3.0 x16 slots (16/NA/NA or 8/8/NA or 8/4/4); 3 PCI-E 2.0 x1 (in x4 slot)
Onboard Storage Controller	SATA3 (6Gbps) via C612 controller (RAID 0, 1, 5, 10 support)	Intel® C226 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10; ASM1061 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® Z87 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10; ASM1061 controller for 2 SATA3 (6Gbps) ports
Connectivity	Dual Gigabit LAN with Intel® Ethernet Controller I210-AT	Single LAN with Intel® Ethernet Controller I210; Single LAN with Intel® Ethernet Controller I217	Single LAN with Intel® Ethernet Controller i210AT; Single LAN with Intel® Ethernet Controller i217V
VGA/Audio	ALC 1150 HD Audio	1 DVI, 1 VGA, 1 HDMI, 1 Display Port; Triple Display Capable, ALC 1150HD	1 DVI, 1VGA, 1 HDMI and 1 Thunderbolt port; ALC 1150HD
Management	SuperDoctor III; SuperDoctor® 5; Watchdog	AMT; SuperDoctor III; vPro; Watchdog	SuperDoctor III; Watchdog
Drive Bays	4x 3.5" internal fixed drive bays; Optional 4x 2.5" internal fixed drive bays	4x 3.5" internal fixed drive bays; Optional 4x 2.5" internal fixed drive bays	3x 3.5" internal hot-swap drive bays, 2x 3.5" front hot-swap drive bays & optional front 4x 2.5" hot-swap drive bay cage
Peripheral Bays	2x standard 5.25" optical device bays; 1x standard 3.5" device bay	2x standard 5.25" optical device bays; 1x standard 3.5" device bay	2x standard 5.25" drive bays; 1x standard 3.5" drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W high-efficiency power supply	900W Gold Level Multi-Output power supply
Cooling System	1x 12cm (1859 RPM) rear exhaust fan	1x 12cm (1859 RPM) rear exhaust fan	1x 12cm rear exhaust fan, 1x 12cm front cooling fan; Support liquid cooling ready
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Gaming Mid-Tower 220 x 510 x 580mm (8.66" x 20.08" x 22.83")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

**Overlocking may void motherboard warranty. Please check the operation manual or online at www.Supermicro.com for supported components



Compact DP Workstation



Compact DP Workstation



MODEL	SuperWorkstation SYS-7037A-i	SuperWorkstation SYS-7037A-iL
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing 	<ul style="list-style-type: none"> CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing
Outstanding Features	<ul style="list-style-type: none"> Supports 2 double width GPU/ Xeon Phi™ cards + 1 standard width card Optimized Thermal Solution, <21 dB Cost effective & Tool-less design Short-depth, space saving design 900W Gold Level high-efficiency power supply 	<ul style="list-style-type: none"> Optimized Thermal Solution, <21 dB Cost effective & Tool-less design Short-depth, space saving design 500W high-efficiency power supply
Serverboard	SUPER® X9DAi	SUPER® X9DAL-i
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 192GB of ECC Reg. DDR3-1600 MHz SDRAM in 6 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16, 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8)	1 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8 slot) 1 PCI 32-bit
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller;	Dual LAN with Intel® 82574L Gigabit Ethernet Controller;
VGA/Audio	Front HD audio ports, IEEE 1394a dual ports, 4 USB 3.0 (5Gbps) ports (2 front + 2 rear) and 7 USB 2.0 ports (2 front + 4 rear, 1 Type A)	Front HD audio ports, 4 USB 3.0 (5Gbps) ports (2 front + 2 rear) and 10 USB 2.0 ports (6 front + 4 rear)
Management	SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" fixed SATA drive bays 4x 2.5" internal HDD/SSD bays (optional)	4x 3.5" fixed SATA drive bays 4x internal 2.5" HDD/SSD bays (optional)
Peripheral Bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W high-efficiency power supply
Cooling System	1x 12cm rear exhaust fan 1x 12cm front cooling fan	1x 12 cm rear exhaust fan 1x 12cm front cooling fan (optional)
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

* Please check with your Supermicro sales representative and website for compatibility and configuration details



UP Workstation

UP Workstation

MODEL	SuperWorkstation SYS-5037A-i	SuperWorkstation SYS-5037A-iL
Processor Support	Single Intel® Xeon® Processor E5-1600 v2 and Intel® Xeon® Processor 2600 v2, and Intel® Core™ i7 Extreme processor	Single Intel® Xeon® Processor E3-1200, Intel® Xeon® Processor E3-1200 v2 series, 2nd & 3rd gen. Intel® Core™ processor, Intel® Pentium® processor & Intel® Celeron® processor
Key Applications	<ul style="list-style-type: none"> CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing 	<ul style="list-style-type: none"> CAD/CAM/CAE Photo Editing Digital Content Creation Financial Analysis, Research
Outstanding Features	<ul style="list-style-type: none"> Supports 2 double width GPU cards Optimized Thermal Solution Cost effective & Tool-less design Whisper-Quiet 21dB 90° rotatable HDD Cage Design High Performance Mainstream SuperWorkstation Easy Access with 2 Front USB 3.0 and 2 front USB 2.0 900W Gold Level high-efficiency power supply 	<ul style="list-style-type: none"> X9 Entry Level Workstation Whisper-Quiet 21dB 90° rotatable HDD Cage Design Easy access with 2 front USB 3.0 and 2 front USB 2.0 Front Panel LED for System Health Indication 500W Bronze Level high-efficiency power supply
Serverboard	SUPER® X9SRA	SUPER® X9SAE
Chipset	Intel® C602 chipset	Intel® C216 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 32GB DDR3 1600 ECC or Non-ECC UDIMM in 4 DIMM Slots
Expansion Slots	2 PCI-E 3.0 x16 1 PCI-E 3.0 x4 (in x8) 1 PCI-E 2.0 x4 (in x8) 1 PCI 32-bit	1 PCI-E 3.0 x16 2 PCI-E 2.0 x4 (1 in x8 slot) 2 PCI-E 2.0 x1 1 PCI-32 bit
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	2 x SATA3.0 (6Gbps) w/ RAID 0,1 4 x SATA2.0 (3Gbps) w/ RAID 0,1,5,10
Connectivity	Dual LAN with Intel® 82579LM and 82574L Gigabit Ethernet controllers 4 USB 3.0 (5Gbps) ports (2 rear + 2 via headers) and 14 USB 2.0 ports (8 rear, 6 via headers)	Dual Gigabit LAN with Intel® 82579LM and 82574L ; 4 USB3.0 (5Gbps) ports (2 rear + 2 front) 8 USB2.0 ports (4 rear, 4 via header)
VGA/Audio	Front HD audio ports Realtek ALC889 7.1 HD audio w/ S/PDIF	VGA + 2 HDMI Video. Triple-Display Support 7.1 HD Audio ports Front HD audio ports
Management	SuperDoctor® 5, Watchdog, NMI	SuperDoctor® 5, Watchdog, NMI
Drive Bays	4x 3.5" fixed SATA drive bays 4x internal 2.5" HDD/SSD bays (optional)	4x 3.5" fixed SATA drive bays 4x 2.5" Internal HDD/SSD bays (optional)
Peripheral Bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W Bronze Level high-efficiency power supply
Cooling System	1x 12cm rear exhaust fan 1x 12cm front cooling fan (optional)	1x 12cm rear exhaust fan 1x 12cm front cooling fan (optional)
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

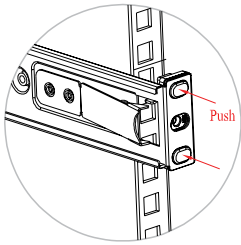
* Please check with your Supermicro sales representative and website for compatibility and configuration details

Quick-Release Slide Rails

The Supermicro Tool-less, Quick-release Slide Rails

Designed for quick and easy installation and access to Supermicro's server equipment. Several different sizes are provided to accommodate a variety of Supermicro server systems.

Accessories



Model Part#	MCP-290-00054-0N	MCP-290-00062-0N
Product	Optional rail set	Optional rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	1U, 17.2" width	1U, 17.2" width
Mechanism	Linear	Linear
Outer Rail Extendable Length	25.6"~33.05"	25.6"~33.05"
Compatible Chassis	Optional for SC813, 814, 815	Optional for SC118, 119, 808, 809, 816, 818, 819



For Short-depth Chassis Rack



Model Part#	MCP-290-00052-0N-BULK	MCP-290-00056-0N
Product	Optional outer rail bulk pack	Optional short-depth outer rail
Content	Quick-release outer rail (10 set/pack)	Short quick-release outer rail
Chassis Type	1U, 17.2" width	1U, 17.2" width in short-depth rack
Mechanism	Linear	Linear
Outer Rail Extendable Length	25.6"~33.05"	19"~26.4"
Compatible Chassis	Optional for SC113, 113M, 118, 119, 512F-280/350/410/441/520/600, 515, 514, 808, 809, 813, 813M, 814, 815, 816, 818, 819	Optional for SC113, 113M, 118, 119, 512F-280/350/410/441/520/600, 514, 515, 808, 809, 813, 813M, 814, 815, 816, 818, 819



For Short-depth Chassis Rack

Model Part#	MCP-290-00053-0N	MCP-290-00057-0N	MCP-290-00058-0N
Product	Default rail set	Default rail set	Optional short-depth rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	2~3U, 17.2" width	4U, 17.2" width	2~4U, 17.2" width in short-depth rack
Mechanism	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N
Outer Rail Extendable Length	26.5"~36.4"	26.5"~36.4"	19"~26.6"
Compatible Chassis	Default for SC213, 216, 217, 218, 219, 823M, 825, 825M, 826, 827, 828, 829, 835, 836, 837, 936, 937, 938, 939	Default for SC417, 418, 758, 846, 847, 848, optional for SC842	Optional for SC213, 216, 217, 218, 219, 417, 418, 747, 748, 758, 823M, 825, 825M, 826, 827, 828, 835, 836, 837, 842, 846, 847, 848, 936, 937, 938, 939

SuperRack® Total Solutions



**42U Open Frame
SRK-42OR-03**
(1016mm Deep)
Generation 2

**42U Enclosure
SRK-42SE-03**
(1016mm Deep)
Generation 2

**42U Open Frame
SRK-42OR-01**
(950mm Deep)

**42U Open Frame
SRK-42OR-02**
(1175mm Deep)

**42U Enclosure
SRK-42SE-01**
(1000mm Deep)

**42U Enclosure
SRK-42SE-02**
(1225mm Deep)

Supermicro's SuperRack® systems were designed for ease of integration, implementation, and deployment. Their easy rear access and modularized Building Block design makes them ideal for hot-swappable servers, such as Supermicro's Twin and Double-Sided Storage® families. For a rack system that is convenient, reliable, and customizable, the Supermicro SuperRack® is the ideal choice.

Key Features:

Per-U Design - Ground-breaking Per-U design concept simplifies cable management and minimizes integration time

Accessible - Versatile Front and Rear access hot-plug optimizations provide an improved service experience

Optimized Air Flow - Reduced cabling optimizes air flow and improves cooling

Building Block Design - Building-block design and intuitive installation process reduce overall deployment schedules

Expandable - With unique add-on expansion units the SuperRack® easily accommodates many different server configurations

Customizable - Fully customizable options offer a well-rounded total Rack solution and service

SuperRack® Total Solution - Supermicro provides rack configuration, integration, testing, burn-in, and shipping services delivering an integrated rack system to the end-user. Please contact your Supermicro sales representative for details.



• Versatile Front and Rear access hot-plug optimizations



• Per-U Design simplifies cable management and minimizes integration time

SuperRack® Solutions:
Pre-Configured, Fully Tested and Application Optimized

- Hadoop Clusters for Big Data Analytics
- Rack Solutions for Virtualization and Cloud Computing
- Rack Solutions for Search Engine, Web 2.0
- HPC Clusters with GPU/Intel® Xeon Phi™ coprocessor Accelerator
- Scale-Out Storage with Extreme Drive Density
- Rack Integration Service from Design to Delivery

For detailed information, please contact your Supermicro sales representative; visit: <http://www.supermicro.com/products/rack>



42U SuperRack® Front View

(Rear View)

Network Adapters

Faster, More Flexible Networking

With outstanding performance, high power efficiency and excellent value, Supermicro's network adapters can help improve network throughput and application performance through features that maximize bandwidth and offload CPU resources. From 100G, 50G, 40G, 25G Ethernet to InfiniBand technologies, multi-port connectivity, in SIOM, Ultra, microLP and standard form factors, Supermicro's network adapters are optimized for the most demanding multi-core computing systems.

Accessories

100G Controllers

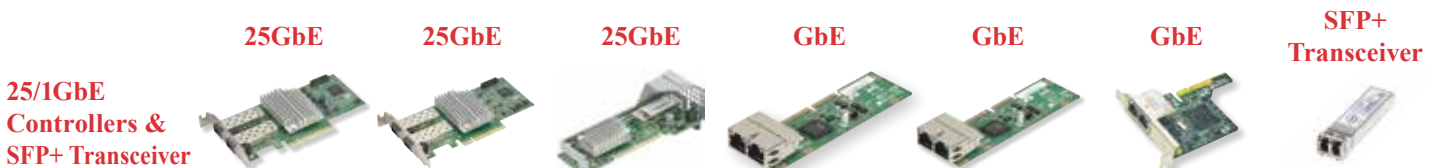


Model	AOC-SHFI-iIC	AOC-S100G-m2C
Type	Standard Low Profile	Standard Low-Profile
Description	Single Port 100Gbps Intel® Omni Path Host Fabric Interface Adapter	Dual-port 100GbE
Interface	PCI-E 3.0 x16	PCI-E 3.0 x16
Port	1 QSFP28	2 QSFP28
Speed	100Gbps	100Gbps/port
Controller	Intel® OPA HFI ASIC	Mellanox® ConnectX-4 EN
Dimension (LxW) (without end brackets)	6.6" x 2.713" (16.76 x 6.89cm)	6.6" x 2.713" (16.76 x 6.89cm)
Compatible Motherboards	All MBs with a PCI-E x16 slot	All MBs with a PCI-E x16 slot
Compatible Servers	All Servers with a PCI-E x16 slot	All Servers with a PCI-E x16 slot

10GbE Controllers



Model	AOC-CTGS-i2T	AOC-STG-b4S	AOC-CTG-i2T	AOC-CTG-i2S	AOC-CTG-i1S
Type	MicroLP	Standard Low-profile	MicroLP	MicroLP	MicroLP
Description	MicroLP Dual-port 10GbE	Standard Low-profile 10GbE	MicroLP Dual-port 10GbE	Dual-port 10GbE	Single-port 10GbE
Interface	PCI-E 3.0 x4	PCI-E x8	PCI-E 2.0 x8	PCI-E x8	PCI-E x8
Port	2 RJ45	4 SFP+	2 RJ45	2 SFP+ ports / 2 USB ports	1 SFP+ port / 2 USB ports
Ethernet Speed	10Gb/port	10Gb/port	10Gb/port	10Gb/port	10Gb/port
Controller	Intel® X550-AT2	Broadcom® BCM57840S	Intel® X540	Intel® 82599ES	Intel® 82599EN
Dimension (LxW) (without end brackets)	4.45" x 1.54" (11.3 x 3.9cm)	5.4" x 2.73" (13.7 x 6.9cm)	4.8" x 2.75" (12.32 x 7.0cm)	4.85" x 1.54" (12.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)
Compatible Motherboards	X11SSE-F	All MBs with a PCI-E x8 slot	X9DRT-HF+, X9DRFR, X10DRFR, X10DRFR-N(T)	X9DRT-HF+, X9SRD-F, X9DRFR, X10DRFR, X10DRFR-N(T)	X9DRT-HF+, X9SRD-F, X9DRFR, X10DRFR, X10DRFR-N(T)
Compatible Servers	MicroCloud, 2U Twin2+, 2U Twin+ and FatTwin	All servers with a PCI-E x8 slot	2U Twin+, and FatTwin w/ 4-node only	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin



25/10GbE Controllers & SFP+ Transceiver

Model	AOC-S25G-b2S	AOC-S25G-m2S	AOC-C25G-m1S	AOC-CG-i2	AOC-CGP-i2	AOC-PG-i2+*	AOC-E10GSFSPSR
Type	Standard Low-profile	Standard Low-Profile	MicroLP	MicroLP	MicroLP	Proprietary	SFP+ Transceiver
Description	Dual-port 25GbE	Dual-port 25GbE	1U MicroLP Single-port 25GbE controller with 1x SFP28 port.	Dual-port GbE	Dual-port GbE	Low-profile Dual-port GbE	1000Base-SX / 10GBase-SR plug-in module
Interface	PCI-E x8	PCI-E 3.0 x8	PCI-E 3.0 x8	PCI-E x4	PCI-E x4	PCI-E x4	Cabling Type: MMF 62.5/50 µm
Port	2 SFP28	2 SFP28	1 SFP28 ports	2 RJ45 ports	2 RJ45 ports	2 RJ45 ports	
Speed	25Gb/port	25Gb/port	25Gb/port (Ethernet)	1 Gb/port	1Gb/port	1 Gb/port	
Controller	Broadcom® BCM57414	Mellanox® ConnectX-4 LX	Mellanox ConnectX-4 Lx EN	Intel® 82580	Intel® i350	Intel® 82576EB	Compatible Add-on Cards: AOC-STG-i4S, AOC-STGN-i1S, AOC-STGN-i2S, AOC-STG-b4S, AOC-CTG-i1S, AOC-CTG-i2S, AOC-PTG-i1S, AOC-MTG-i4S, AOC-MTGN-i2S
Dimension (LxW) (without end brackets)	5.6" x 2.713" (14.224 x 6.89cm)	6.6" x 2.713" (16.76 x 6.89cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.54" (11.3 x 3.9cm)	3.78" x 2.44" (9.6 x 6.2cm)	
Compatible Motherboards	All MBs with a PCI-E x8 slot	All MBs with a PCI-E x8 slot	X10DRFR	X9SCD-F	X9DRT-HF+, X9SRD-F, X9DRFR	X8DTU/-F (Require RSC-R1UU-E8PR)	
Compatible Servers	All servers with a PCI-E x8 slot	All servers with a PCI-E x8 slot	FatTwin	5037MC-H8TRF	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	6016T-UF, 6016T-NTF, 6016T-NTRF, 1026T-URF, 1026T-UF, 6016T-URF (Require RSC-R1UU-E8PR)	

* Standard form factor is available as integrated solution with Supermicro server and motherboards.

Micro-LP Cards for 2U Twin Servers

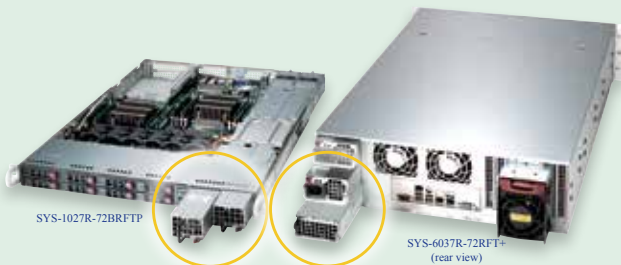


Model	AOC-CIBF-m1	AOC-CTG-i1S	AOC-CTG-i2S	AOC-CGP-i2	AOC-CTG-i2T	AOC-CTGS-i2T	AOC-C25G-m2S
Type	Micro-LP	Micro-LP	Micro-LP	Micro-LP	MicroLP	MicroLP	MicroLP
Description	Micro-LP single-port IB FDR/40G Ethernet	Single-port 10GbE with NC-SI	Dual-port 10GbE	Dual-port GbE	MicroLP Dual-port 10GbE	Dual-port 10GBase-T with NC-SI	Dual-port 25GbE with NC-SI
Interface	PCI-E 3.0 x8	PCI-E x8	PCI-E x8	PCI-E x4	PCI-E 2.0 x8	PCI-E 3.0 x4	PCI-E 3.0 x8
Port	1 QSFP port / 2 USB ports	1 SFP+ port / 2 USB ports	2 SFP+ ports / 2 USB ports	2 RJ45 ports	2 RJ45	2 RJ45	2 SFP28 ports
Speed	56Gb/port (IB) or 40Gb/port (Ethernet)	10Gb/port	10Gb/port	1Gb/port	10Gb/port	10Gb/port	25Gb/port
Controller	Mellanox® ConnectX-3 FDR	Intel® 82599EN	Intel® 82599ES	Intel® i350	Intel® X540	Intel® X550	Mellanox ConnectX-4 Lx EN
Dimension (LxW) (without end brackets)	4.85" x 1.54" (12.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.85" x 1.54" (12.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.8" x 2.75" (12.3 x 7.0cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)
Compatible Motherboards	X9DRT-HF+, X9SRD-F	X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	TBD
Compatible Servers	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	2U Twin+, and FatTwin w/ 4-node only	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	TBD

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Model	PWS-206B-1R	PWS-1K03B-1R
Total Output Power	200W / 5 minutes	1000W / 2.5 minutes
Input	Work w/ PWS-406P/503P/606P/703P-1R	Work w/ PWS-1K28P-SQ/ PWS-920P-SQ/ PWS-741P-1R/PWS-501P-1R
Form Factor	1U	1U
Dimension (LxWxH) cm	22 x 5.45 x 4	36 x 7.6 x 4
Output Type*	Backplanes available	Backplanes available
Redundant	Yes	Yes
I²C Remote Monitoring	FRU/Smart battery I²C	FRU/Smart battery I²C
+5V	-	-
+12V	16.7A	83.3A
+3.3V	-	-
5VSB	2A	4A
-12V	-	-
Efficiency	Online mode power consumption <1W	Online mode power consumption <1W

HBA and SAS RAID Cards

Accessories



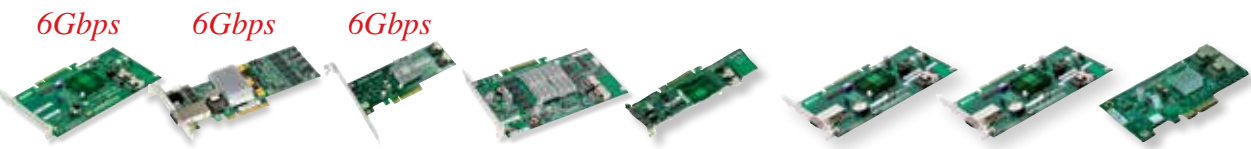
Model name	AOC-SLG3-2M2	AOC-SLG3-2E4T	AOC-SLG3-4E4T	AOC-SLG3-4E2P	AOC-SLG3-2E4	AOC-SLG3-2E4R	AOC-SLG3-4E4R
Compatible MBs	X10DRT-H, X10SRM-TF	All*	All*	All*	All	X10DRW-i, X10DRW-iT, X10DRH, X10DRL-CT	X10DSC+, X10SRW-F
Features	x8, dual M.2 SSD expansion card, supports multiple M.2 sizes: 22x110mm; 22x80mm; 22x60mm	x8, dual OCuLink port, PLX PCI-E Switch, SW hot-swap* * HW restrictions may apply	x16, quad OCuLink port, Re-Timer, hot-swap* * HW restrictions may apply	x8, quad OCuLink port, PLX PCI-E Switch, SW hot-swap* * HW restrictions may apply	x8, dual port, PLX, hot-swap* (SW) * Requires backplane w/ U.2 connector	x8, dual port, re-driver (TI), hot-swap* * Requires backplane w/ U.2 connector	x16, quad port, re-driver (TI), hot-swap* * Requires backplane w/ U.2 connector



Model	AOC-S3216L-L16iT	AOC-S8069L-L16xR	AOC-S3108L-H8iR-16DD	AOC-S3108L-H8iR	AOC-S3008L-L8e	AOC-S3008L-L8i	AOC-S2208L-H8iR †
Type	Standard	Standard	Low profile PCI-E 3.0 x8	Standard	Standard	Standard	Standard
Controller/IOP	LSISAS 3216	MSSC 8069	LSISAS 3108	LSISAS 3108	LSISAS 3008	LSISAS 3008	LSISAS 2208
SAS Port	16 ports, 12Gbps per port, 16 Internal, Low Profile, 1024 SATA/SAS Drives	16 ports, 12Gbps per port, 16 External, Low Profile, 256 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 16 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 122 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 63 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives
RAID	IT/HBA	HBA, RAID 0,1,5	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,6,10,50,60
Onboard Cache	-	-	2GB DDR3 on-card cache Optional SuperCap: BTR-TFM8G-LSICVM02. Installation kit PN =MCP-240-00127-0N	2GB DDR3 on-card cache Optional SuperCap: BTR-TFM8G-LSICVM02. Installation kit PN =MCP-240-00127-0N	-	-	1GB DDR3 on-card cache w/ Battery Back-up or SuperCap, Optional Battery Backup Unit: BTR-0022L-LS100279 / MCP-450-00001-0N / Ambient Temp 45C; SuperCap option: BTR-0024LH-LS100297. Installation kit PN =MCP-240-00127-0N



Model	AOC-S2308L-L8e †	AOC-S2308L-L8i †	AOC-SAS2LP-H8iR †	AOC-SAS2LP-H8iR-16DD †	AOC-USAS2LP-H8iR*	AOC-USAS2-L8iR	AOC-USAS2-L8i
Type	Standard	Standard	Standard	Standard	UIO	UIO	UIO
Controller/IOP	LSISAS 2308	LSISAS 2308	LSISAS 2108	LSISAS 2108	LSISAS 2108	LSISAS 2008	LSISAS 2008
SAS Port	8 ports, 6Gbps per port, 8 Internal, Low Profile, 122 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 63 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 16 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile	8 ports, 6Gbps per port, 8 Internal	8 ports, 6Gbps per port, 8 Internal
RAID	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	RAID 0,1,5,10	RAID 0,1,10,1E
Onboard Cache	-	-	512MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-LS100264	512MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-LS100264	512 MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-LS100264	-	-



Model	AOC-USAS2-L8E	AOC-SAS2LP-H4iR †	AOC-SAS2LP-MV8	AOC-USAS-L8i**	AOC-USASLP-L8i**	AOC-USAS-L4i**	AOC-USAS-L4iR**	AOC-SASLP-MV8**
Type	UIO	Standard	Standard	UIO	UIO	UIO	UIO	Standard
Controller/IOP	LSISAS 2008	LSISAS 2108	Marvel 9480 based	LSISAS 1068E	LSISAS 1068E	LSISAS 1068E	LSISAS 1068E	Marvell Hercules-2
SAS Port	8 ports, 6Gbps per port, 8 Internal	8 ports, 6Gbps per port, 4 Internal, 4 external, Low Profile, 240 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile	8 ports, 3Gbps per port, 8 Internal	8 ports, 3Gbps per port, 8 Internal, Low Profile	8 ports, 3Gbps per port, 4 Internal, 4 External	8 ports, 3Gbps per port, 4 Internal, 4 External	8 ports, 3Gbps per port, 8 Internal, Low Profile
RAID	IT mode / HBA	RAID 0,1,5,6,10,50,60	HBA	IT/HBA Mode	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,10	HBA only
Onboard Cache	-	512MB DDR2 on-card cache w/ battery w/ Optional Battery Backup Unit: BTR-0023L-LS100264	-	-	-	-	-	-

* Applies to 2U low-profile, 3U and 4U chassis.
** EOLed

SIOM Network Adapters

SIOM Networking Adapters



Model	AOC-MGP-i2	AOC-MGP-i4	AOC-MTGN-i2S	AOC-MTG-i4S	AOC-MTG-i2T	AOC-MTG-i4T
Type	SIOM	SIOM	SIOM	SIOM	SIOM	SIOM
Description	Dual-port GbE	Quad-port GbE	Dual-port 10GbE	Quad-port 10GbE	Dual-port 10GbE	Quad-port 10GbE
Port	2 RJ45 ports	4 RJ45 ports	2 SFP+ ports	4 SFP+ ports	2 RJ45 ports	4 RJ45 ports
Speed	1Gb/port	1Gb/port	10Gb/port	10Gb/port	10Gb/port	10Gb/port
Controller	Intel® i350	Intel® i350	Intel® 82599ES	Intel® XL710	Intel® X550	Intel® X550
Dimension (LxW) (without end brackets)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)
Compatible Motherboards	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot
Compatible Servers	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot

SIOM Networking Adapters

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Model	AOC-MH25G-b2S2G	AOC-MH25G-m2S2T	AOC-MHIBF-m2Q2G	AOC-MHIBF-m1Q2G	AOC-MHFI-i1C
Type	SIOM	SIOM	SIOM	SIOM	SIOM
Description	Dual-port 25GbE & Dual-port GbE	Dual-port 25GbE & Dual-port 10GbE	Dual-port IB FDR & Dual-port GbE	Single-port IB FDR & Dual-port GbE	Single-port Host Fabric Interface
Port	2 SFP28 & 2 RJ45 ports	2 SFP28 & 2 RJ45 ports	2 QSFP & 2 RJ45 ports	1 QSFP & 2 RJ45 ports	1 QSFP28 port
Speed	25Gb/port 1Gb/port	25Gb/port 10Gb/port	56Gb/port 1Gb/port	56Gb/port 1Gb/port	100Gb/port
Controller	Broadcom® BCM57414 Intel® i350	Mellanox® ConnectX-4 Lx EN Intel® X550	Mellanox® ConnectX-3 Pro Intel® i350	Mellanox® ConnectX-3 Pro Intel® i350	Intel® Omni Path HFI ASIC
Dimension (LxW) (without end brackets)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)
Compatible Motherboards	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot	Supermicro® Motherboards with SIOM slot

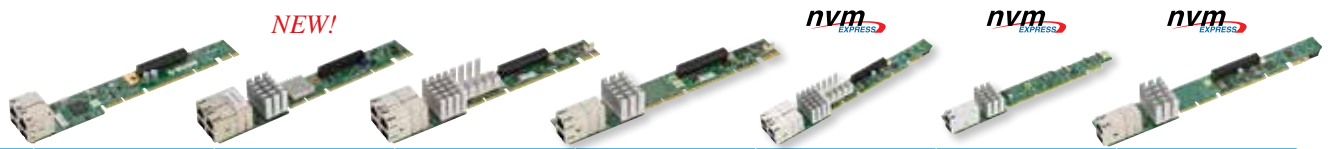
Storage Mezzanine Cards



Model	AOM-S3008M-L8	AOM-S3108M-H8L	AOM-S3108-H8	AOM-B3108-H8	AOM-S3108M-H8	AOM-S3008-L8-SB
Compatible MBs	X10DSC+	x10DSC+	X9DRW-CF31 X9DRW-CTF31 X9DRW-CTF31	B10DRC	X10DRW-i X10DRW-iN X10DRW-iT X10DDW-i X10DDW-iN	X10DRS
Features	8 internal ports, 12Gb/s per port, 240 SATA/SAS drives, RAID 0,1,5,10,6,60 2 GB cache with protection BTR-CV3108-U1	8 internal ports, 12Gb/s per port, 240 SATA/SAS drives, RAID 0,1,5,10,6,60 2 GB cache with protection BTR-CV3108-U1	8 internal ports, 12Gb/s per port, 16 SATA/SAS drives, RAID 0,1,5,10,6,60 2 GB cache with protection BTR-TFM8G-LSICVM02	8 internal ports, 12Gb/s per port, 8 SATA/SAS drives, RAID 0,1,5,10,6,60 2 GB onboard cache with protection BTR-TFM8G-LSICVM02	8 internal ports, 12Gb/s per port, 16 SATA/SAS drives, RAID 0,1,5,10,6,60 2 GB onboard cache with protection BTR-TFM8G-LSICVM02	8 internal ports, 12Gb/s per port, 112 SATA/SAS drives, IR mode, RAID 0,1,1e,10

Ultra Networking Riser Cards

Accessories



Model	AOC-UR-i4G	AOC-UR-i4XTF	AOC-UR-i4XT	AOC-UR-i2XT	AOC-URN2-i4XT	AOC-URN6-i2XT	AOC-URN2-i2XT
Form Factor	1U Ultra Riser	1U Ultra Riser	1U Ultra Riser	1U Ultra Riser	1U Ultra Riser	1U Ultra Riser	1U Ultra Riser
Controller Type	GbE	10GBase-T	10GBase-T	10GBase-T	10GBase-T	10GBase-T	10GBase-T
Chipset	Intel® i350	Intel® XL710	Intel® X540	Intel® X540	Intel® X540	Intel® X540	Intel® X540
Port #	4	4	4	2	4	2	2
Connector	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45
PCI-E Slot	1x PCI-E 3.0 x8 (internal)	1x PCI-E 3.0 x8 (internal)	1x PCI-E 3.0 x8 (internal)	1x PCI-E 3.0 x8 (internal)	1x PCI-E 3.0 x8 (internal)	N/A	1x PCI-E 3.0 x8 (internal)
NVMe Ports	0	0	0	0	2	6	2
Compatible Motherboards	X10DRU-i+, X10DRU-X	X10DRU-i+	X10DRU-i+, X10DRU-X	X10DRU-i+, X10DRU-X	X10DRU-i+, X10DRU-X	X10DRU-i+	X10DRU-i+, X10DRU-X
Compatible Systems	SYS-1028U-TR4+, SYS-6018U-TR4+, SYS-1028UX-CR-LL1, SYS-1028UX-CR-LL2	TBD	SYS-1028U-TR4T+, SYS-6018U-TR4T+	SYS-1028U-TRT+, SYS-6018U-TRT+	SYS-1028U-TNR4T+	SYS-1028U-TN10RT+	SYS-1028U-TNRT+



Model	AOC-URN2-i2XS	AOC-URN2-i4GXS	AOC-2UR66-i4XTF	AOC-2UR68-i4G	AOC-2UR6-i4XT	AOC-2UR66-i4G
Form Factor	1U Ultra Riser	1U Ultra Riser	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser
Controller Type	10G SFP+	GbE & 10G SFP+	10GBase-T	GbE	10GBase-T	GbE
Chipset	Intel® 82599ES	Intel® i350 & Intel® X710	Intel® XL710	Intel® i350	Intel® X540	Intel® i350
Port #	2	2+2	4	4	4	4
Connector	SFP+	RJ45 & SFP+	RJ45	RJ45	RJ45	RJ45
PCI-E Slot	1x PCI-E 3.0 x8 (internal)	1x PCI-E 3.0 x8 (internal)	2x PCI-E 3.0 x16	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x8 (in x16) 1x PCI-E 3.0 x16	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x16	2x PCI-E 3.0 x16
NVMe Ports	2	2	0	0	0	0
Compatible Motherboards	X10DRU-i+ X10DRU-X	X10DRU-i+	X10DRU-i+	X10DRU-i+ X10DRU-X	X10DRU-i+ X10DRU-X	X10DRU-i+ X10DRU-X
Compatible Systems	SYS-6018U-TRTP+ SYS-1028U-TNRT+	SYS-1028U-EICRTP+	TBD	SYS-2028U-TR4+ SYS-6028U-TR4+ SYS-6028UX-TR4	SYS-2028U-TR4T+ SYS-6028U-TR4T+	SYS-2048U-RTR4



Model	AOC-2UR68-i2XT	AOC-2URN4-i4XT	AOC-2UR8N4-i2XT	AOC-2UR68-i2XS	AOC-2UR6N4-i4XT	AOC-2UR68-b2TS	AOC-2UR68-m2TS
Form Factor	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser	2U Ultra Riser
Controller Type	10GBase-T	10GBase-T	10GBase-T	10G SFP+	10GBase-T	25GbE	25GbE
Chipset	Intel® X540	Intel® X540	Intel® X540	Intel® 82599ES	Intel® X550	Broadcom® BCM57414	Mellanox® ConnectX-4 Lx EN
Port #	2	4	2	2	4	2	2
Connector	RJ45	RJ45	RJ45	SFP+	RJ45	SFP28	SFP28
PCI-E Slot	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x8 (in x16) 1x PCI-E 3.0 x16	1x PCI-E 3.0 x8 (internal)	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x8 (in x16)	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x8 (in x16) 1x PCI-E 3.0 x16	1x PCI-E 3.0 x16	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x8 (in x16) 1x PCI-E 3.0 x16	1x PCI-E 3.0 x8 (internal) 1x PCI-E 3.0 x8 (in x16) 1x PCI-E 3.0 x16
NVMe Ports	0	4	4	0	4	0	0
Compatible Motherboards	X10DRU-i+ X10DRU-X	X10DRU-i+ X10DRU-X	X10DRU-i+ X10DRU-X	X10DRU-i+ X10DRU-X	X10DRU-i+	X10DRU-i+	X10DRU-i+
Compatible Systems	SYS-2028U-TRT+ SYS-6028U-TRT+	SYS-2028U-TNR4T+ SYS-6028U-TNR4T+ SYS-2028U-EICNR4T+ SYS-6028U-EICNR4T+	SYS-2028U-TNRT+ SYS-6028U-TNRT+ SYS-2028U-EICNRT+ SYS-6028U-EICNRT+	SYS-2028U-TRTP+ SYS-6028U-TRTP+	SYS-2028U-T24RT+	TBD	TBD

[†] Available as integrated solutions with Supermicro servers.

MicroLP Network Cards

FatTwin™ supports MicroLP Network Cards



Model	AOC-CIBF-m1	AOC-CTGS-i2T	AOC-CTG-i2T	AOC-CTG-i2S	AOC-CTG-i1S	AOC-CGP-i2	AOC-C25G-m2S
Form Factor	MicroLP	MicroLP	2U MicroLP	MicroLP	MicroLP	MicroLP	MicroLP
Description	Single-port IB FDR/40G Ethernet	Dual-port 10GBase-T with NC-SI	Dual-port 10GBase-T	Dual-port 10GbE SFP+	Single-port 10GbE SFP+ with NC-SI	Dual-port GbE	Dual-port 25GbE with NC-SI
Interface	PCI-E 3.0 x8	PCI-E 3.0 x4	PCI-E 2.0 x8	PCI-E x8	PCI-E x8	PCI-E x4	PCI-E 3.0 x8
Port	1 QSFP port / 2 USB ports	2 RJ45 ports	2 RJ45 ports	2 SFP+ ports / 2 USB ports	1 SFP+ port / 2 USB ports	2 RJ45 ports	2 SFP28 ports
Speed	56Gb/port (IB) or 40Gb/port (Ethernet)	10Gb/port	10Gb/port	10Gb/port	10Gb/port	1Gb/port	25Gb/port
Controller	Mellanox® ConnectX-3 FDR	Intel® X550	Intel® X540	Intel® 82599ES	Intel® 82599EN	Intel® i350	Mellanox ConnectX-4 Lx EN
Dimension (LxW) (without end brackets)	4.85" x 1.54" (12.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.8" x 2.75" (12.3 x 7.0cm)	4.85" x 1.54" (12.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)	4.45" x 1.54" (11.3 x 3.9cm)
F617R2-R*/ F618R2-R* (FatTwin 8 node RIO)	Compatible with 1U bracket	Compatible with 1U bracket	N/A	Compatible with 1U bracket	Compatible with 1U bracket	Compatible with 1U bracket	TBD
F627R3-R*/ F628R3-R* (FatTwin 4 nodes RIO)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	TBD
F627R2-RTB+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	TBD
F627R2-RT+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	TBD





Accessory Modules

MCP-240-42408-0N-PAC	Mounting bracket for the Intel® Xeon Phi™ co-processor card for configurations using the Xeon Phi™
MCP-220-93801-0B	HDD hot swap bracket that includes the 3.5" to 2.5" adapter plate
MCP-240-00134-0N	Adapter bracket to mount a 2.5" drive into an IO expansion slot
MCP-240-00131-1N	Adapter bracket to mount a 2.5" drive on to a 3.5" drive bay in the FatTwin Hadoop.
MCP-220-00044-0N	Adapter bracket to mount two 2.5" drives on to a 3.5" drive tray in the F617R3
SFT-OOB-LIC	License key for enabling OOB BIOS management
SFT-DCMS-Single	Datacenter Server Management Software Package

* Uses 2 right angle SATA cables (CBL-0231L)

Trusted Platform Module (TPM)

Provisioned TPM

TPM	Types	Differentiators	FormFactors	Pictures	Model Numbers
Provisioned TPM+ TXT	Server (S)	96-Byte index Memory Support: Intel® Xeon® Processor E5, Intel® Xeon® Processor E7	Vertical (V)		AOM-TPM-9655V-S AOM-TPM-9665V-S
			Horizontal (H)		AOM-TPM-9655H-S AOM-TPM-9665H-S
	Client (C)	48-Byte index Memory Support: Intel® Xeon® E3 Intel® Core™ i7 processor, Intel® Core™ i5 processor	Vertical (V)		AOM-TPM-9655V-C AOM-TPM-9665V-C
			Horizontal (H)		AOM-TPM-9655H-C AOM-TPM-9665H-C

TPM Products

TCG	Model #	Form Factor	TXT*	MB Platform	Supported CPUs
TPM 1.2	AOM-TPM-9655V	Vertical	N/A	Intel® & AMD	Any MB's Supported CPU
	AOM-TPM-9655V-S	Vertical	Server	Intel®	Intel® Xeon® processor E5, Intel® Xeon® processor E7
	AOM-TPM-9655V-C	Vertical	Client	Intel®	Intel® Core™ i5 Intel® Core™ i7 processor, Intel® Core™ i5 processor & Intel® Xeon® Processor E3
	AOM-TPM-9655H	Horizontal	N/A	Intel® & AMD	Any MB's Supported CPU
	AOM-TPM-9655H-S	Horizontal	Server	Intel®	Intel® Xeon® Processor E5, Intel® Xeon® Processor E7
	AOM-TPM-9655H-C	Horizontal	Client	Intel®	Intel® Core™ i5 Processor Intel® Core™ i7 Processor, Intel® Xeon® Processor E3
TPM 2.0	AOM-TPM-9665V	Vertical	N/A	Intel	Any MB's Supported CPU
	AOM-TPM-9665V-S	Vertical	Server	Intel®	Intel® Xeon® Processor E5, Intel® Xeon® Processor E7
	AOM-TPM-9665V-C	Vertical	Client	Intel®	Intel® Core™ i3 Processor, Intel® Core™ i5 Processor, Intel® Core™ i7 Processor, Intel® Xeon® Processor E3
	AOM-TPM-9665H	Horizontal	N/A	Intel	Any MB's Supported CPU
	AOM-TPM-9665H-S	Horizontal	Server	Intel®	Intel® Core™ i5 Processor, Intel® Core™ i7 Processor
	AOM-TPM-9665H-C	Horizontal	Client	Intel®	Intel® Core™ i5 Processor, Intel® Core™ i7 Processor, Intel® Xeon® Processor E3

* TPM Provisioning is required for TXT function, selecting server or client provisioning depends on the CPU and MB that is going to be used

Intel® Omni Path Architecture Switch

100G 48-port Intel® Omni Path Top-of-Rack Switch SSH-C48Q

High Performance, High Density, Low latency, 100-Gigabit Intel® Omni Path Architecture, Meets the Most Demanding Applications for HPC.

Supermicro SuperSwitch Solution Benefit Highlights

- 1U TOR 100 Gb/s 48-Port
- 9.6 Tb/s Switching Capacity
- Optimized for High Message Rates and Low End-to-End Latency
- Out-of-Band Fabric Management Card (Optional)
 - Ethernet (10/100/1000 Base-T) and USB Serial Console
- Redundant Hot-Pluggable 750W **Platinum Level** Power Supplies
- Redundant Cooling



SSH-C48Q



Rear View

The Supermicro SSH-C48Q 1U 48-port top-of-rack network SuperSwitch supports the 100Gbps Intel® Omni Path Architecture (OPA) providing a unique HPC cluster solution offering excellent bandwidth, latency and message rates that is highly scalable and easily serviceable.

The SSH-C48Q leverages the Intel Scalable System Framework (SSF) to address evolving demands across high performance data analytics, machine learning, visualization, traditional modeling and simulation workloads. Designed specifically for HPC, the 48-port SSH-C48Q offers 9.6 Tb/s total fabric bandwidth and high scalability with the capability of 27,648 nodes in a 2-tier configuration. The Supermicro SSH-C48Q is designed to overcome the scaling challenges of large-sized clusters.

High Message Rate Throughput

The SSH-C48Q is designed to support high message rate traffic from each node through the fabric. That means the fabric can support the high bandwidth as well as high message rate throughput associated with the ever-increasing processing power and core counts of Intel® Xeon® Processor and Intel® Xeon Phi™ coprocessors.

48-port Switch ASIC

With a 48-port design the SSH-C48Q provides improved fabric scalability, reduced latency, increased density, reduced cost, and lower power demand. It is the basis of the SSH-C48Q capacity of 9.6 Tb/s fabric bandwidth and high scalability to 27,648 nodes in 2-tier configurations.

Deterministic Latency

Features in the Intel OPA optimize the performance impacts of large Maximum Transmission Units (MTUs) on small messages. They help maintain consistent latency for inter-process communication (IPC) messages, such as Message Passing Interface (MPI) messages, when large messages—typically storage—are being simultaneously transmitted in the fabric. Intel® OPA can bypass lower priority large packets, giving higher priority to small packets, creating a lower and more predictable latency through the fabric.

Enhanced End-to-End Reliability

The Supermicro SSH-C48Q also delivers its own unique error detection and correction which is more efficient than the forward error correction (FEC) defined in the InfiniBand standard. Enhancements include zero load for detection - if a correction is required, packets only need to be retransmitted from the last link—not all the way from the sending node. This gives near-zero additional latency.

Ports	<ul style="list-style-type: none"> • 48 x 100 Gb/s ports – QSFP28 • RJ45 1G optional management port • USB serial console port 	
Switching	<ul style="list-style-type: none"> • Switching capacity 9.6 Tb/s total fabric bandwidth • Optimized high message rate • Optimized error detection/correction and low latency • Capability of 27,648 nodes in 2-tier configuration • Virtual lanes: Configurable from one to eight VLs plus one management VL 	<ul style="list-style-type: none"> • Configurable MTU size of 2KB, 4KB, 8KB, or 10KB • Maximum multicast table size: 8192 entries • Maximum unicast table size: 49151 entries • Passive copper or active fiber cables
Management	<ul style="list-style-type: none"> • Out-of-band management card (optional) • Enables Command Line Interface and Chassis Management GUI through 10/100/1000 Base -T Ethernet 	<ul style="list-style-type: none"> • Enables Serial Console through USB Serial Port • Fabric Management GUI
Physical/Environmental	<ul style="list-style-type: none"> • Dimensions 17.2" W x 16.6" D x 1.72" H • Weight 16 lbs / 7.26 kg 	<ul style="list-style-type: none"> • Operating Temperature: 0°C to 40°C (32°F to 104°F) • Forward Direction Air Flow
Power	<ul style="list-style-type: none"> • Redundant Hot-Pluggable 750W Platinum Level Power Supplies • AC Input: 100-127V/200-240 V, 50-60 Hz 	<ul style="list-style-type: none"> • Power consumption: <ul style="list-style-type: none"> - 210 W (Copper) - 380 W (All max 3W Optical)

Layer 2 Ethernet Switches

Cost-effective 1-Gigabit Ethernet networking including a Power-over-Ethernet model and featuring Energy Efficient Ethernet – **We Keep IT Green®**



Rear View



Model	SSE-G2252P (52 ports; 48 with Power-over-Ethernet)	SSE-G2252 (52 ports)
General Specifications:	<ul style="list-style-type: none"> 48 RJ45 10/100/1000 Mbps Ports 4 SFP 1-G Ports Non-Blocking Standard L2 Features IPv4 and IPv6 RJ45 Console Port: Web Management, CLI Power-over-Ethernet (IEEE802.3at) <ul style="list-style-type: none"> Up to 30W per port Up to 400W total PoE budget 	<ul style="list-style-type: none"> 48 RJ45 10/100/1000 Mbps Ports 4 SFP 1-G Ports Non-Blocking Standard L2 Features IPv4 and IPv6 RJ45 Console Port: Web Management GUI, CLI
Switching Capacity	<ul style="list-style-type: none"> 104 Gbps 	<ul style="list-style-type: none"> 104 Gbps
Energy Efficient Ethernet	<ul style="list-style-type: none"> 802.3az 	<ul style="list-style-type: none"> 802.3az
Power Supply	<ul style="list-style-type: none"> 500W 	<ul style="list-style-type: none"> 65W
Weight	<ul style="list-style-type: none"> 11.7 lbs / 5.3kg 	<ul style="list-style-type: none"> 6.8 lbs / 3.1kg
Dimensions (WxDxH)	<ul style="list-style-type: none"> 440 x 379 x 43mm (17.3" x 14.9" x 1.7") 	<ul style="list-style-type: none"> 440 x 279 x 43mm (17.3" x 11" x 1.7")
Switching Features	<ul style="list-style-type: none"> 16K MAC address entries Link Aggregation <ul style="list-style-type: none"> 802.3ad with LACP Up to 12 aggregation groups up to 8 ports per group Double tagging: <ul style="list-style-type: none"> 802.1 Q-in-Q 802.1ad provider bridge Unqualified learning and forwarding 	<ul style="list-style-type: none"> Storm protection <ul style="list-style-type: none"> Broadcast Multicast IGMP: <ul style="list-style-type: none"> IGMP snooping v1/v2/v3 Spanning tree <ul style="list-style-type: none"> 802.1D spanning tree 802.1s multiple Jumbo frames up to 9KB
VLAN	<ul style="list-style-type: none"> 802.1Q tagging, port and protocol based Dynamic VLAN Support (GVRP) 	<ul style="list-style-type: none"> 4K VLANs; 256 active Voice VLAN support
Quality of Service (QoS)	<ul style="list-style-type: none"> L2/L3/L4 Traffic Classification/ Priority Management Deficit WRR and Strict Priority Scheduling Traffic shaping <ul style="list-style-type: none"> IP based (all ports) Port based (all ports) Port based shaping QoS aware 4 priority queues per port IPv4/v6 DiffServ 	<ul style="list-style-type: none"> Per port bandwidth management <ul style="list-style-type: none"> Resolution 64KB Packet prioritization based on ingress/egress ports using pre-defined value Ingress/Egress metering at 64KB increments <ul style="list-style-type: none"> Ingress/egress policer Ingress and egress co-work
Security Features	<ul style="list-style-type: none"> 802.3x Port-Based Authentication Switch access password protection Layer 2, 3, 4 Access Control List (512 rules) 	<ul style="list-style-type: none"> RADIUS and TACACS+ Authentication SSH/SSL Encryption
Management Features	<ul style="list-style-type: none"> Web-based management interface – HTTP/HTTPS <ul style="list-style-type: none"> Telnet (4 sessions) SNMP Industry standard CLI with telnet, SSH, or local management port <ul style="list-style-type: none"> Scripting capability Command completion Context-sensitive "Help" 	<ul style="list-style-type: none"> Software upgrade/download Multiple configuration file upload/download by TFTP and HTTP Auto upgrade DHCP functions Telnet-Server SNMP v1/v2c/v3 RMON
PoE Features	<ul style="list-style-type: none"> Compliant with IEEE 802.3af-2003 & IEEE 802.3at-2009 PoE on 10/100/1000Base-T ports only (ports 1~48) Power start/stop (remote sense) Power feeding over 1/2 and 3/6 data twisted pair of Cat. 5 UTP/STP cable Independent overload and short-circuit protection for each port LED indicators for power status per port Per port configuration Port priority configuration IEEE 802.3af/IEEE 802.3at MIB for Power over Ethernet function 	
Operating Temperature	<ul style="list-style-type: none"> 0 ~ 50°C 	

Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor.
Highly cost-effective 1/10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.



Rear View



Model	SSE-G48-TG4	SSE-G24-TG4
Port Attributes	<ul style="list-style-type: none"> 48 One Gigabit Ethernet ports <ul style="list-style-type: none"> 48 RJ45 Copper ports Four fiber SFP combo ports Out-of-band RS-232 Management port Up to four 10-Gigabit Ethernet uplinks Up to two stacking ports 	<ul style="list-style-type: none"> 24 One Gigabit Ethernet ports <ul style="list-style-type: none"> 24 RJ45 Copper ports Four fiber SFP combo ports Out-of-band RS-232 Management port Up to four 10-Gigabit Ethernet uplinks Up to two stacking ports
Switching Capacity	<ul style="list-style-type: none"> 184 Gbps 	<ul style="list-style-type: none"> 136 Gbps
Stacking Performance	<ul style="list-style-type: none"> Up to 48 Gbps 	<ul style="list-style-type: none"> Up to 48 Gbps
Power Consumption	<ul style="list-style-type: none"> 145W 	<ul style="list-style-type: none"> 105W
Weight	<ul style="list-style-type: none"> 13.7 lbs / 6.20 kg (w/ modules) 13.4 lbs / 6.06 kg (w/o modules) 	<ul style="list-style-type: none"> 12.6 lbs / 5.70 kg (w/ modules) 12.2 lbs / 5.54 kg (w/o modules)
Dimensions (WxDxH)	<ul style="list-style-type: none"> 440 x 387 x 43mm (17.3" x 15.2" x 1.7") 	
Availability	<ul style="list-style-type: none"> Spanning Tree (802.1D) Rapid Spanning Tree (802.1w) 802.1Q tagging, port and protocol based Dynamic VLAN Support (GVRP) 	<ul style="list-style-type: none"> Multiple Spanning Trees (802.1s) Virtual Redundant Routing Protocol (VRRP) 1K Static VLANs
VLAN		
Quality of Service and DiffServ	<ul style="list-style-type: none"> 8 priority queues per port Adjusted WRR and Strict Priority Scheduling Layer 2, 3, 4 Prioritization 	<ul style="list-style-type: none"> Marking Metering / Rate limiting
Switching Features	<ul style="list-style-type: none"> Link Aggregation - 24 groups with 8 members per group LACP Support Link Layer Discovery Protocol (802.1AB) 	<ul style="list-style-type: none"> Jumbo Frames up to 9KB Port Mirroring – N to 1. Tx & Rx Configurable
Routing Features	<ul style="list-style-type: none"> Static Routing, RIP v1/v2, RIPvng, OSPF v1/v2/v3 and BGP IPv4 and IPv6 Routing 	<ul style="list-style-type: none"> VRRP (Virtual Router Redundancy Protocol) DVMRP (Distance Vector Multicast Routing Protocol) PIM SM, PIM DM PIM SMv6
Multicast	<ul style="list-style-type: none"> IGMP Snooping v1, v2, v3 IGMP v1, v2, v3 	<ul style="list-style-type: none"> RADIUS and TACACS+ Authentication SSH, SSL Encryption
Security Features	<ul style="list-style-type: none"> 802.3x Port Based Authentication Switch access password protection Layer 2, 3, 4 Access Control Lists (256 rules) 	
Management Features	<ul style="list-style-type: none"> Web-based management interface – HTTP/HTTPS <ul style="list-style-type: none"> Telnet SNMP Industry standard CLI with telnet, SSH, or local management port <ul style="list-style-type: none"> Scripting capability Command completion Context-sensitive "Help" 	<ul style="list-style-type: none"> Multiple levels of user privilege (CLI and Web UI) SNMP v1, v2, v3 Four RMON Groups - (1, 2, 3 and 9) Logging – syslog Dual firmware images Configuration file - upload / download
Operating Temperature	<ul style="list-style-type: none"> 0 ~ 40°C 	

Options (order at least one, maximum two with each SSE-G24-TG4 or SSE-G48-TG4)



AOM-SSE-X2F

Two-port XFP connector module for fiber connections



AOM-SSE-X2S

Two-port SFP+ connector module for copper or fiber connections and for stacking

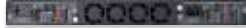
Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor.
Highly cost-effective 10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.

Accessories



Rear View



Model	SSE-X24S/SR	SSE-X3348S/SR	SSE-X3348T/TR
Port Attributes	<ul style="list-style-type: none"> 24 Ten Gigabit Ethernet ports - SFP+ Connectors 1 One-Gigabit Ethernet port - RJ45 Connector Out-of-band RS-232 Management port 	<ul style="list-style-type: none"> 48 Ten-Gigabit Ethernet ports - SFP+ Connectors 4 Forty-Gigabit Ethernet ports - QSFP Connectors 2 One-Gigabit Ethernet ports - RJ45 Connectors Out-of-band RS-232 Management port 	<ul style="list-style-type: none"> 48 Ten-Gigabit Ethernet ports - 10GBase-T RJ45 connectors 4 Forty-Gigabit Ethernet ports - QSFP Connectors 2 One-Gigabit Ethernet ports - RJ45 Connectors Out-of-band RS-232 Management port Energy Efficient Ethernet- IEEE 802.3az
Switching Capacity	<ul style="list-style-type: none"> 480 Gbps 	<ul style="list-style-type: none"> 1284 Gbps 	<ul style="list-style-type: none"> 1284 Gbps
Power Consumption	<ul style="list-style-type: none"> 176W (Redundant Power Supplies) Reverse airflow model available 	<ul style="list-style-type: none"> 326W (Redundant Power Supplies) Reverse airflow model available 	<ul style="list-style-type: none"> 357W (Redundant Power Supplies) Reverse airflow model available
Weight	<ul style="list-style-type: none"> 16.7 lbs / 7.58 kg 	<ul style="list-style-type: none"> 18.1 lbs / 8.2 kg 	<ul style="list-style-type: none"> 20.3 lbs / 9.22 kg
Dimensions (WxDxH)	<ul style="list-style-type: none"> 440 x 387 x 43mm (17.3" x 15.2" x 1.7") 	<ul style="list-style-type: none"> 438 x 473 x 43mm (17.3" x 18.6" x 1.7") 	<ul style="list-style-type: none"> 438 x 473 x 43mm (17.3" x 18.6" x 1.7")
Availability	<ul style="list-style-type: none"> Spanning Tree (802.1D) Rapid Spanning Tree (802.1w) 	<ul style="list-style-type: none"> Multiple Spanning Trees (802.1s) Virtual Redundant Routing Protocol (VRRP) 	
VLAN	<ul style="list-style-type: none"> 802.1Q tagging, port and protocol based Dynamic VLAN Support (GVRP) 	<ul style="list-style-type: none"> 4K Static VLANs 	
Data Center	<ul style="list-style-type: none"> DCBx 		
Quality of Service and DiffServ	<ul style="list-style-type: none"> 8 priority queues per port Adjusted WRR and Strict Priority Scheduling Layer 2, 3, 4 Prioritization 	<ul style="list-style-type: none"> Marking Metering / Rate limiting 	
Switching Features	<ul style="list-style-type: none"> Link Aggregation - 24 groups with 8 members per group MLAG support LACP Support 	<ul style="list-style-type: none"> Link Layer Discovery Protocol (802.1AB) Jumbo Frames up to 9KB Port Mirroring – N to 1. Tx & Rx Configurable 	
Routing Features	<ul style="list-style-type: none"> Static Routing, RIP v1/v2, RIPng, OSPF v1/v2/v3 and BGP IPv4 and IPv6 Routing 	<ul style="list-style-type: none"> VRRP (Virtual Router Redundancy Protocol) DVMRP (Distance Vector Multicast Routing Protocol) 	
Multicast	<ul style="list-style-type: none"> IGMP Snooping v1, v2, v3 IGMP v1, v2, v3 	<ul style="list-style-type: none"> PIM SM, PIM DM PIM SMv6 	
Security Features	<ul style="list-style-type: none"> 802.3x Port Based Authentication Switch access password protection Layer 2, 3, 4 Access Control Lists (256 rules) 	<ul style="list-style-type: none"> RADIUS and TACACS+ Authentication SSH, SSL Encryption 	
Management Features	<ul style="list-style-type: none"> Web-based management interface – HTTP/HTTPS Telnet SNMP Industry standard CLI with telnet, SSH, or local management port Scripting capability Command completion Context-sensitive "Help" 	<ul style="list-style-type: none"> Multiple levels of user privilege (CLI and Web UI) SNMP v1, v2, v3 Four RMON Groups - (1, 2, 3 and 9) Logging – syslog Dual firmware images Configuration file - upload / download 	
Operating Temperature	<ul style="list-style-type: none"> 0 ~ 40°C 	<ul style="list-style-type: none"> 0 ~ 47°C 	<ul style="list-style-type: none"> 0 ~ 45°C

Open Networking Ethernet Switches

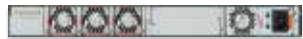
The SSE-G3648B/SSE-G3648BR, SSE-X3648S/SSE-X3648SR, and SSE-C3632S/SSE-C3632SR switches are ideal for deployment in Data Center, Cloud and Enterprise environments with the capability of handling access for the most demanding applications. All are available as a reverse-airflow model for use in large data centers with alternating hot and cold equipment aisles. And all are equipped with a second, redundant power supply (optional on SSE-G3648B/SSE-G3648BR). Pre-loaded with the Open Network Install Environment (ONIE), all three are ready for your networking operating system of choice. Supermicro recommends the use of Cumulus Linux – these switches are all listed on the Hardware Compatibility List (HCL) of Cumulus Networks. Cumulus Linux is an OS for open networking incorporating a true Linux distribution with extensive networking features plus hardware acceleration of routing and switching functions. By using many of the same tools employed for servers, Cumulus Linux enables affordable scalability with clear CapEx savings and even greater OpEx savings; it unleashes rapid innovation via custom, open source or commercial Linux tools and applications. The embedded X86 Linux-based controller is particularly well suited for running the provisioning tools which are typically used for servers. Contact Cumulus Networks (www.cumulusnetworks.com) for more details and ordering information.

With these bare metal switches Supermicro customers have the opportunity to choose the hardware/software combination that best suits their own individual networking environment. And with Supermicro product reliability and support, customers can rest assured that their investment is truly protected.

New! Layer 2/3



Rear View



New! Layer 2/3



New! Layer 2/3



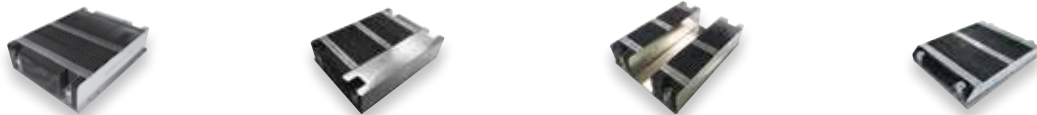
Model	SSE-G3648B/BR	SSE-X3648S/SR	SSE-C3632S/SR
Port Specifications	<ul style="list-style-type: none"> 48 x 1Gbps Ethernet RJ45 ports 4 x 10Gbps Ethernet SFP+ ports RJ-45 Ethernet management port RJ45 (for console cable) 	<ul style="list-style-type: none"> 48x Ten-Gigabit Ethernet ports – SFP+ 6x Forty-Gigabit Ethernet ports – QSFP+ RJ-45 (for console cable) RJ-45 1G Ethernet Management Port USB 	<ul style="list-style-type: none"> 32 x 40Gbps Ethernet QSFP28 ports 32 x 100Gbps Ethernet QSFP28 ports 1 x 10Gbps Ethernet SFP+ ports RJ-45 Gigabit Ethernet management port RJ-45 serial console Type A USB 2.0 port
Data Forwarding	<ul style="list-style-type: none"> Switching Capacity – 176 Gbps Broadcom Helix4 Switch Chip Wire-speed Layer 3 Routing 1:1 Non-blocking connectivity 	<ul style="list-style-type: none"> Switching Capacity - 1440 Gbps Broadcom Trident II Switch Chip Wire-speed Layer 3 Routing 1:1 Non-blocking connectivity 	<ul style="list-style-type: none"> Switching Capacity - 6.4Tbps Broadcom Tomahawk Switch Chip Wire-speed Layer 3 Routing 1:1 Non-blocking connectivity
Control Plane	<ul style="list-style-type: none"> Intel® CPU 2GB DRAM 8GB SSD ONIE Cumulus Linux Ready 	<ul style="list-style-type: none"> Intel® CPU 4GB DRAM 16GB SSD ONIE Cumulus Linux Ready 	<ul style="list-style-type: none"> Intel® CPU 4GB DRAM 16GB SSD ONIE Cumulus Linux Ready
Power	<ul style="list-style-type: none"> Hot-pluggable 200W power supply Optional second redundant power supply AC Input: 100-127/200-240 V, 50/60 Hz Power Consumption: < 85.2 Watts 	<ul style="list-style-type: none"> Redundant, hot-pluggable, 460W power supplies AC Input: 100-127/200-240 V, 50/60 Hz Power Consumption: 305 Watts 	<ul style="list-style-type: none"> Redundant, hot-pluggable, 800W power supplies AC Input: 100-127/200-240 V, 50/60 Hz Power Consumption: 650 Watts
Physical/ Environmental	<ul style="list-style-type: none"> Weight: Net weight: 8.18kg (with 2 PSUs) Regular and Reverse Airflow Models Size (W x D x H): 434 x 320 x 44 mm (17.1 x 11.2 x 1.73 in.) Temperature: Operating 0°C to 45 °C (32°F to 113°F) Humidity -Operating: 5% to 95% (non-condensing) 	<ul style="list-style-type: none"> Weight: Net weight: 10.13kg (22.29 lb with 2 PSUs) Regular and Reverse Airflow Models Size (W x D x H): 434 x 550 x 44 mm (17.1 x 21.6 x 1.73 inches) Temperature: Operating 0°C to 40 °C (32°F to 104°F) Humidity - Operating: 5% to 95% (non-condensing) 	<ul style="list-style-type: none"> Weight: Net weight: 10.18kg (22.29 lb with 2 PSUs) Regular and Reverse Airflow Models Size (W x D x H): 434x 520 x 44 mm (17.1 x 20.47 x 1.73 inches) Temperature: Operating 0°C to 40 °C (32°F to 104°F) Humidity - Operating: 5% to 95% (non-condensing)
General	<ul style="list-style-type: none"> Bare metal - ONIE Installed 1U form factor for flexible installation Mounting Flanges (included) 	<ul style="list-style-type: none"> Bare metal - ONIE Installed 1U form factor for flexible installation Mounting Rails (included) 	<ul style="list-style-type: none"> Bare metal - ONIE Installed 1U form factor for flexible installation Mounting Rails (included)
Optional Power Supply	<ul style="list-style-type: none"> PWS-FRU-G3648-1F Second (for redundancy) power supply for SSE-G3648B Ethernet Switch. Forward Airflow PWS-FRU-G3648-1R Second (for redundancy) power supply for SSE-G3648BR Ethernet Switch. Reverse Airflow 		

Heatsinks (X11/X10/X9)

X9, X10, and X11 1U Passive CPU Heat Sinks for UP, DP, and MP Systems



Part Number	SNK-P0037P	SNK-P0041	SNK-P0046P	SNK-P0047P	SNK-P0047PD
Form Factor	1U Passive, DP	Proprietary 1U Passive, DP (X9DBL Front CPU)	1U Passive, UP (X11/X10/X9)	1U Passive, UP, DP	1U Passive, Proprietary, DP
CPU Type	Intel® Xeon® Processor E5-2400 & Intel® Xeon® Processor E5-2400 v2 product families	Intel® Xeon® Processor E5-2400 & Intel® Xeon® Processor E5-2400 v2 product families	Intel® Xeon® Processor E3-1200 product family; Intel® Core™ i3 processor; Intel® Pentium® Processor & Intel® Celeron® Processor	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families
Socket Type	LGA 1356	LGA 1356	LGA 1155/1151/1150	LGA 2011(Square ILM)	LGA 2011 (Square ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Copper Base Aluminum Fins	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminium Base Aluminium Fins Heat Pipes
Dimension	90L x 90W x 27H mm	90L x 90W x 27H mm	95L x 95W x 27H mm	90L x 90W x 26H mm	90L x 110W x 27H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs Mounting Bracket (BKT-0028L Included)	Screws + Springs	Screws + Springs



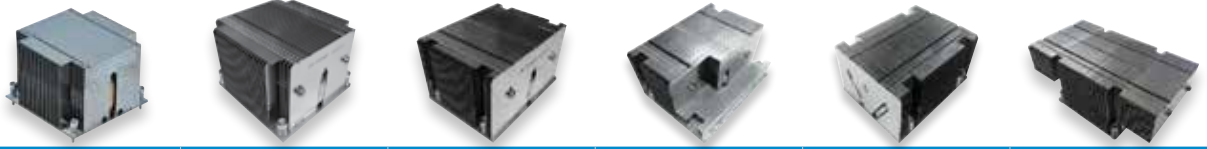
Part Number	SNK-P0047PS	SNK-P0047PSC	SNK-P0047PSM	SNK-P0047PSR
Form Factor	1U Passive, UP, DP, MP	Proprietary 1U Passive, DP (1U 3/4 GPU/Intel® Xeon Phi™ coprocessor Front CPU)	Proprietary 1U Passive, DP (2U Twin2+ Front CPU), Twin Pro ²	Low Profile Passive, Proprietary, UP (X10/X9) 12-node MicroCloud Servers
CPU Type	Intel® Xeon® Processor E5-2600 v4/v3/v2, and Intel® Xeon® Processor E5-4600 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® processor E3-1200 v4/v3/v2 product families; Intel® Core™ i3 processor; Intel® Pentium® Processor & Intel® Celeron® Processor
Socket Type	LGA 2011 (Narrow ILM)	LGA 2011 (Narrow ILM)	LGA 2011 (Narrow ILM)	LGA 1150 & LGA 1155
Major Integrated Part	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Copper + Aluminium Base Copper Fins Heat Pipes
Dimension	104L x 80W x 26H mm	104L x 80W x 26H mm	104L x 80W x 26H mm	104L x 80W x 15H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs	Springs + Screws



Part Number	SNK-P0047PS+	SNK-P0047PW	SNK-P0057P	SNK-P0057PS
Form Factor	Proprietary 1U Passive, UP (X10/X9) (Micro Cloud Server)	Proprietary 1U Passive, DP (2U Twin2 Rear CPU)	1U Passive, UP, DP	1U Passive, UP, DP, MP
CPU Type	Intel® Xeon® processor E3-1200 v4/v3/v2 product families; Intel® Core™ i3 processor; Intel® Pentium® Processor & Intel® Celeron® Processor	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2, and Intel® Xeon® Processor E5-4600 product families
Socket Type	LGA 1155 & LGA1150, LGA2011 (Narrow ILM).	LGA 2011 (Square ILM)	LGA 2011 (Square ILM)	LGA 2011 (Narrow ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Copper + Aluminum Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes
Dimension	104L x 80W x 30H mm	90L x 116W x 26H mm	90L x 90W x 26H mm	104L x 80W x 26H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs

Heatsinks (X11/X10/X9)

X9 and X10 2U Passive CPU Heat Sinks for UP, DP, and MP Systems



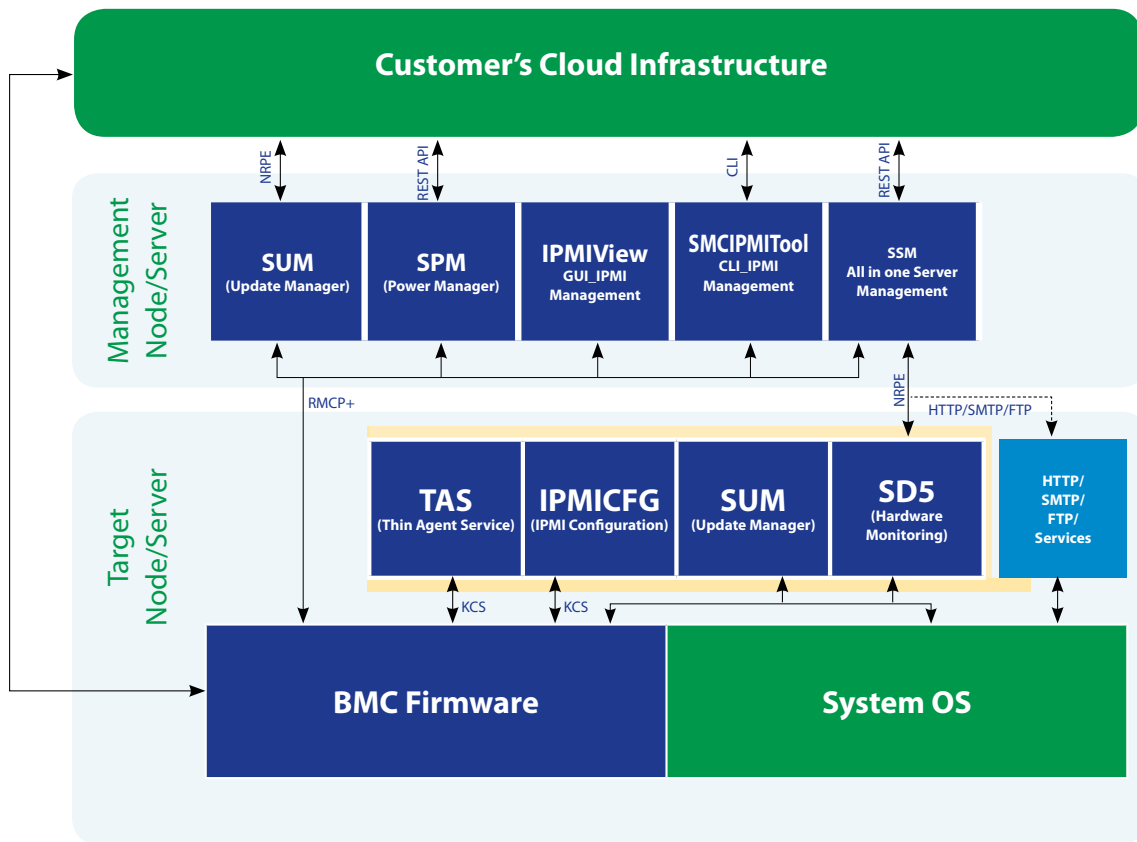
Part Number	SNK-P0038P	SNK-P0048P	SNK-P0048PS	SNK-P0048PSC	SNK-P0048PW	SNK-P2048P
Form Factor	2U(+) Passive, DP	2U(+) Passive, UP, DP	2U(+) Passive, UP, DP, MP	Proprietary 2U Passive, DP (2U WIO+ Server)	Proprietary 2U Passive, DP (2U Twin Rear CPU)	Proprietary 2U Passive, DP (HFT Series Servers)
CPU Type	Intel® Xeon® Processor E5-2400 product family & E5-2400 v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 product family and Intel® Xeon® Processor E5-4600 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families
Socket Type	LGA 1356	LGA2011 (Square ILM)	LGA2011 (Narrow ILM)	LGA2011 (Narrow ILM)	LGA 2011 (Square ILM)	LGA2011 (Square ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Copper + Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes
Dimension	90L x 90W x 64H mm	90L x 90W x 64H mm	104L x 80W x 64H mm	104L x 80W x 64H mm	90L x 116W x 64H mm	90L x 170W x 64H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs

X9, X10, and X11 Active CPU Heat Sinks for UP and DP Systems



Part Number	SNK-P0035AP4	SNK-P0040AP4	SNK-P0046A4	SNK-P0048AP4	SNK-P0050AP4	SNK-P2050AP4	SNK-P0051AP4
Form Factor	4U Active, DP	4U Active, DP	2U(+) Active, UP (X11/X10/X9)	2U(+) Active, UP, DP	4U Active, UP, DP	Proprietary 4U Active, DP (HFT Series Servers)	4U Active, UP (X11/X10/X9)
CPU Type	Intel® Xeon® Processor E5-2400 & Intel® Xeon® Processor E5-2400 v2 product families	Intel® Xeon® Processor E5-2400 & Intel® Xeon® Processor E5-2400 v2 product families	Intel® Xeon® Processor E3-1200 v5/v4/v3/v2 product families; Intel® Core™ i3 processor; Intel® Pentium® Processor & Intel® Celeron® Processor	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E5-2600 v4/v3/v2 product families	Intel® Xeon® Processor E3-1200 v5/v4/v3/v2 product families; Intel® Core™ Processors; Intel® Pentium® Processor & Intel® Celeron® Processor
Socket Type	LGA 1356	LGA 1356	LGA1155/1151/1150	LGA 2011 (Square and Narrow ILMs)	LGA 2011 (Square and Narrow ILMs)	LGA 2011 (Square ILM)	LGA1155/1151/1150
Material	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Rear Side)	Copper Base Aluminum Fins Cooling Fan (Top)	Aluminum Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Middle Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)
Dimension	105L x 100W x 126H mm	105L x 100W x 126H mm	90D x 65H mm	85L x 80W x 65L mm	105L x 93W x 126H mm	96L x 130W x 125H mm	105L x 93W x 128H mm
Mounting Method	Screws + Springs Mounting Bracket (BKT-0023L Included)	Screws + Springs	Push-in Pins	Screws + Springs; Mounting Brackets (BKT-0048L-RS and BKT-0048L-RN Included)	Screws + Springs; Mounting Brackets (for Square and Narrow ILMs Included)	Screws + Springs	Back Plate + Springs + Screws BKT-0028L Included

Server Management Utilities



Supermicro Server Management Utilities

Server management utilities assist data center system administrators to manage hardware issues such as server availability and firmware upgrades to reduce server downtime.

Supermicro has developed a multifunction suite of tools that can perform health monitoring, power management and firmware maintenance to help deploy and maintain servers in data centers.

Our solutions are designed for easy automation with existing management infrastructure using CLI and REST APIs. In data centers, Supermicro

Server Management Utilities provides you all the necessary functions like:

Remotely managing the health of hardware and operating system services:

Helps IT operators to monitor the health of system components through Agent and Agent-less based solutions

Managing power consumption of nodes in cluster:

Optimize the power consumption of your server rack. Monitor and apply policies to maximize compute density per rack and avoid unexpected server shutdowns.

* AMD platform not supported.

Managing BIOS provisioning through BMC/IPMI:

Allows you to manage system BIOS upgrades and configurations uniformly across multi-environment deployments through baseboard management controller.

Execute commands on multiple target systems in parallel:







Perform parallel firmware upgrades, system memory and power commands, and many more through SSL and RMCP+.

Software SKUs:

SFT-DCMS-Single:	Per node license for System Management Suite (all packages)
SFT-OOB-LIC:	Per node license for OOB firmware maintenance mechanisms
SFT-SPM-LIC:	Per node license for Power Management Utility

Cables

SFP+ Cables: 10GbE SFP+ to SFP+

	CBL-0347L	100cm (39.4")
	CBL-0348L	300cm (118.1")
	CBL-NTWK-0347	100cm (39.4"), Passive Copper Cable Push Type
	CBL-NTWK-0456	200cm (78.7"), Passive Copper Cable Push Type
	CBL-NTWK-0456	200cm (78.7")
	CBL-0349L	500cm (196.9")
	CBL-NTWK-0594	10m (393.7")
	CBL-SFP+AOC-1M	100cm (39.4"), Active Optical Cable 850 nm SFF-8431
	CBL-SFP+AOC-3M	300cm (118.1"), Active Optical Cable 850 nm SFF-8431
	CBL-SFP+AOC-5M	500cm (196.9"), Active Optical Cable 850 nm SFF-8431

QSFP Cables: 40GbE QSFP to QSFP QDR

	CBL-NTWK-0417-01	100cm (39.8")
	CBL-NTWK-0446-01	300cm (118.1")
	CBL-NTWK-0325-02	200cm (78.7")
	CBL-NTWK-0422-01	500cm (196.9")
	CBL-0467L	700cm (275.6")
	CBL-QSFP+AOC-1M	100cm (39.8")
	CBL-QSFP+AOC-3M	300cm (118.1")
	CBL-QSFP+AOC-5M	500cm (196.9")
	CBL-QSFP+AOC-7M	700cm (275.6")
	CBL-QSFP+AOC-10M	1000cm (393.7")





FDR Cables: 56GbE QSFP+ to QSFP+ FDR

	CBL-0490L	100cm (39.4")
	CBL-0496L	300cm (118.1")


NOTE: All cables are PB free.
 SB = Sideband
 RA = Right Angle
 M = Male
 LP = Comes with low profile bracket

S = Straight
 iPASS = Internal MiniSAS
 F = Female
 RF = Reverse Fanout (Cross Over)

InfiniBand CX4 Cables

	CBL-0474L	100cm (39.4")	CX4 to CX4
	CBL-0475L	1200cm (472.4")	CX4 to CX4
	CBL-0389L	300cm (118.1")	CX4 to CX4
	CBL-0324L	200cm (78.8"), QSFP to INFINIBAND CX4	

SATA Cables: Straight to Straight

	CBL-0473L	21cm (8.3"), 30AWG
	CBL-0483L	29cm (11.4"), 30AWG
	CBL-0484L	55cm (21.7"), 30AWG
	CBL-0481L	81cm (31.9"), 30AWG

SATA Cables: Straight to Right Angle

	CBL-SAST-0639	31cm (12.2")
	CBL-SAST-0640	38cm (15")
	CBL-SAST-0641	45cm (17.7")
	CBL-0488L	55cm (21.7"), 30AWG
	CBL-0489L	70cm (27.6"), 30AWG

40GbE QSFP+ to 4x 10GbE SFP+

CBL-NTWK-0719	Passive, 1M, 30AWG
CBL-NTWK-0720	Passive, 3M, 30AWG
CBL-NTWK-0721	Passive, 5M, 25AWG

Internal MiniSAS to 4 SATA

	CBL-0118L-03	23cm, w/ 25.5cm SB, S, 30AWG
	CBL-0287L-01	43/43/33/33cm, w/ 43cm SB, RA, 30AWG
	CBL-0097L-03	50cm, w/ 50cm SB, S, 30AWG
	CBL-0388L-01	90/90/75/75cm w/ 75cm SB, RA, 30AWG

Internal MiniSAS to 4 SATA Cross Over

	CBL-0294L-02	58cm, w/ 58cm SB, S, 30AWG
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Internal & External MiniSAS Cables		
	CBL-0109L-02	22cm (8.7"), iPASS to iPASS Cable, 26AWG
	CBL-0108L-02	39cm (15.4"), iPASS to iPASS Cable, 26AWG
	CBL-0421L	55cm (21.7"), iPASS to iPASS Cable
	CBL-0281L-01	75cm (29.5"), iPASS to iPASS Cable, 30AWG
	CBL-0463L	50cm (19.7"), External MiniSAS
	CBL-0166L	100cm (39.4"), External MiniSAS
	CBL-0171L	300cm (118.1"), External MiniSAS
	CBL-0394L	90cm (35.4"), iPASS to iPASS Cable, 26AWG
	CBL-0167L	61cm (24.0"), Ext(1F) to Int(1M)
	CBL-0168L(-LP)	66/61cm (26"/24"), Ext(2F) to Int(2M)
	CBL-0352L(-LP)	85cm (33.56"), Ext(2F)-to-Int(2M)
	CBL-0351L	85cm (33.5"), Ext(1F)-to-Int(1M)
	CBL-0386L	70cm/50cm (27.6"/19.7"), Ext(4F)-to-Int(4M)

New! MiniSAS HD Cables (up to 12Gbps)

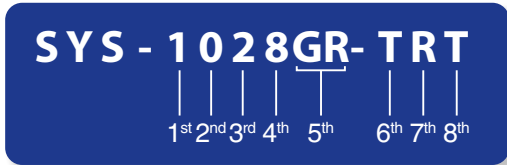
Internal MiniSAS (iPASS) to MiniSAS HD Cables		
	CBL-SAST-0507-01	80cm w/ SB, 30AWG
	CBL-SAST-0508-01	50cm w/ SB, 30AWG
Internal MiniSAS HD to MiniSAS HD Cables		
	CBL-SAST-0531	80cm w/ SB, 30AWG
	CBL-SAST-0532	50cm w/ SB, 30AWG
	CBL-SAST-0568	35cm w/ SB, 30AWG
	CBL-SAST-0550	25cm w/ SB, 30AWG
External MiniSAS HD to External MiniSAS HD Cables		
	CBL-SAST-0573	100cm w/ SB, 28AWG
	CBL-SAST-0690	200cm w/ SB, 28AWG
	CBL-SAST-0677	300cm w/ SB, 28AWG

NOTE: All cables are PB free.
 SB = Sideband
 RA = Right Angle
 M = Male
 LP = Comes with low profile bracket

S = Straight
 iPASS = Internal MiniSAS
 F = Female
 RF = Reverse Fanout (Cross Over)

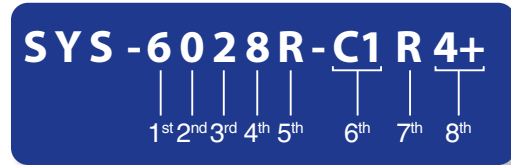
Internal MiniSAS HD to 4 SATA Cables		
	CBL-SAST-0664	20cm, 20cm SB, 30AWG
	CBL-SAST-0703	23/13/23/13cm, 30AWG
	CBL-SAST-0704	30/70/60/70cm, 30AWG
	CBL-SAST-0616	50cm, 50cm SB, 30AWG
	CBL-SAST-0699	75/75/90/90cm, 75cm SB, 28/30AWG
	CBL-SAST-0631	RF, 55cm, 55cm SB, 30AWG
	CBL-SAST-0591	RF, 75cm, 75cm SB, 30AWG
	CBL-SAST-0556	RF, RA 90/90, S 75/75cm, 75cm SB, 30AWG
New!	CBL-SAST-0759	12G, INT, 15cm, 15cm SB, 30AWG
Internal MiniSAS HD NVMe Cables		
	CBL-SAST-0623	PCI-E NVMe SSD, 45cm, 30AWG
	CBL-SAST-0658	PCI-E NVMe SSD, 60cm, 30AWG
	CBL-SAST-0590	PCI-E NVMe SSD, 70cm, 30AWG
	CBL-SAST-0698	RA-RA reverse for PCI-E NVMe SSD, 10cm, 30AWG
Internal Oculink NVMe Cables		
New!	CBL-SAST-0818	OCuLink v.91, INT, PCI-E NVMe SSD, 55CM, 34AWG
New!	CBL-SAST-0819	OCuLink v.91, INT, PCI-E NVMe SSD, 65CM, 34AWG
New!	CBL-SAST-0820	OCuLink v.91, INT, PCI-E NVMe SSD, 85CM, 34AWG
New!	CBL-SAST-0849	OCuLink/Backplane to MiniSAS HD/Controller V.91, INT, PCI-E NVMe SSD, 57CM, 34AWG
New!	CBL-SAST-0850	OCuLink/Backplane to MiniSAS HD/Controller V.91, INT, PCI-E NVMe SSD, 37CM, 34AWG
New!	CBL-SAST-0929	OCuLink/Controller to MiniSAS HD/Backplane V.91, INT, PCI-E NVMe SSD, 37CM, 34AWG
New!	CBL-SAST-0930	OCuLink/Controller to MiniSAS HD/Backplane V.91, INT, PCI-E NVMe SSD, 57CM, 34AWG
External Intel® Omni Path 100G Cables		
New!	CBL-NTWK-0892-OPC05	Intel® Omni Path Passive Copper Cable QSPF28 30AWG, 0.5M
New!	CBL-NTWK-0892-OPC10	Intel® Omni Path Passive Copper Cable QSPF28 30AWG, 1M
New!	CBL-NTWK-0892-OPC15	Intel® Omni Path Passive Copper Cable QSPF28 26AWG, 1.5M
New!	CBL-NTWK-0892-OPC20	Intel® Omni Path Passive Copper Cable QSPF28 26AWG, 2M
New!	CBL-NTWK-0892-OPC30	Intel® Omni Path Passive Copper Cable QSPF28 26AWG, 3M
New!	CBL-NTWK-0892-OPF30	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 3M
New!	CBL-NTWK-0892-OPF50	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 5M
New!	CBL-NTWK-0892-OPF100	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 10M
New!	CBL-NTWK-0892-OPF150	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 15M
New!	CBL-NTWK-0892-OPF200	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 20M
New!	CBL-NTWK-0892-OPF300	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 30M
New!	CBL-NTWK-0892-OPF400	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 40M
New!	CBL-NTWK-0892-OPF500	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 50M
New!	CBL-NTWK-0892-OPF600	Intel® Omni Path Active Fiber Cable QSPF28-MPO, 60M

Product Naming Guide



Servers with 2.5” Hard Drives

Character	Representation	Options
1st	Form Factor	1 = 1U 2 = 2U 3 = 3U 4 = 4U 5 = 5U
2nd	Reserved Digit	
3rd	Number of processor slots	1 = Single processor slot 2 = Dual processor slots 4 = Quad processor slots 8 = Oct processor slots (8 way server)
4th	System Generation	5 = X7 Series 6 = X8 Series 7 = X9 Series 8 = X10 Series
5th	Chipset	A = Atom B = Boxboro (X8) B = Brickland (X10) C = Clarksboro (X7) B = Bigby/Skt B2 C = Cougar Point(X9) G = GPU I = Foxhollow(X7) M = Mukilteo R = Romley / Socket R (X9 / X10) ST = Storage Server T = Tylersburg(X7) xT = x: platform (ex: T-Twin, G-GPU) U = Ultra
6th	HDD Interface	3 = SAS (Intel) 6 = SAS2 (Intel) 70 = SAS2 (LSI 2008) 71 = SAS2 (LSI 2108) 72 = SAS2 (LSI 2208) 73 = SAS2 (LSI 2308) 73J = SAS2 (LSI 2308 IT mode) C0 = SAS3 (LSI 3008) 12Gb C1 = SAS3 (LSI 3108) 12Gb A = Workstation D = DCO E = Extension Slot with Riser H = Hot Swap, Six GPUs L = Low Cost M = Mini-Chassis P = Internal slot NT = SATA without UIO T = SATA U = UIO W = WIO N = NVMe
7th	Power Redundancy	R = Redundant power supply E = Expansion Slot
8th	Additional	+ = 18(X8)/24(X9)/32(X9 Quad) DIMM memory F = On board BMC (IPMI) T = 10 Gigabit Ethernet 2 = 2nd Generation GPU 4 = 4 Independent LAN ports



Servers with 3.5” Hard Drives

Character	Representation	Options
1st	Number of processor slots	5 = Single processor slot 6 = Dual processor slots 7 = Dual processor slots (Tower) 8 = Quad processor slots (4 way Server)
2nd	Reserved Digit	
3rd	Form Factor	1 = 1U 2 = 2U 3 = 3U 4 = 4U
4th	System Generation	5 = X7 Series 6 = X8 Series 7 = X9 Series 8 = X10 Series
5th	Chipset	A = Atom B = Boxboro (X8) B = Bigby/Skt B2(X9) B = Brickland (X10) C = Clarksboro (X7) C = Cougar Point(X9) G = GPU I = Foxhollow(X7) M = Mukilteo P = Pxx PR = X9 Twin Pro R = Romley/Socket R(X9/X10) S = Skylake ST = Storage Server T = Tylersburg TP = X10 Twin Pro TR = Twin R Socket xT = x: platform (ex: T-Twin, G-GPU); T: Tylersburg U = Ultra UT = EXDP Twin Pro UX = Hyperspeed
6th	HDD Interface	3 = Intel® SAS 6 = Intel® SAS2 70 = SAS2 (LSI 2008) 71 = SAS2 (LSI 2108) 72 = SAS2 (LSI 2208) 73 = SAS2 (LSI 2308) 73J = SAS2 (LSI 2308 IT mode) C0 = SAS3 (LSI 3008) 12Gbps C1 = SAS3 (LSI 3108) 12Gbps A = Workstation D = Desktop, DCO E = Extension Slot with Riser H = Hot Swap L = Low Cost M = Mini-Chassis P = Internal slot NT = SATA without UIO T = SATA U = UIO W = WIO N = NVMe X = 11 Slots, Max IO
7th	Power Redundancy	R = Redundant Power Supply E = Expansion Slot
8th	Additional	+ = 18(X8)/24(X9)/32(X9 Quad) DIMM memory slots F = On board BMC (IPMI, no longer used with X10) P = 10G SFP+ T = 10 Gigabit Ethernet 4 = 4 Independent LAN ports

Mission Critical SuperServer® Solutions - The Supermicro Advantage

With advanced in-house server building block designs and uncompromising quality control, Supermicro's expert engineers have created a wide range of high-performance, high-reliability, and cost-effective solutions. Supermicro's first-to-market offerings provide fully optimized functionality, compatibility and a system integration "quality guarantee" for mission-critical applications.

Supermicro Quality and Reliability

All Supermicro products are designed with the highest quality optimized components. To ensure customers peace of mind, all Supermicro Building Block Solutions® must pass a strict validation process, and our "one stop shop" capability will assure their business success. With the highest reliability and performance in mind Enterprise Level hard disk drives are a requirement for Supermicro systems.

Intel® Xeon® Processor E7, Intel® Xeon® Processor E5, Intel® Xeon® Processor E3, Intel® Xeon® Processor D and Intel® Atom™ Processor Based Platforms

Supermicro's industry-leading line of Server Building Block Solutions® utilize the latest Intel® processor designs including: Intel® Xeon® Processor E5-2600 v4 and Intel® Xeon® Processor E5-1600 v4 product families for standard servers; Intel® Atom™ processor for storage and microservers; Intel® Xeon® processor E5-4600 v3, Intel® Xeon® processor E7-8800v3, Intel® Xeon® processor E7-4800 v3, and Intel® Xeon® processor E3-1200 v4/v3 product families. These multi-core based servers are loaded with features and engineered to perform with minimal power. The latest Intel® Xeon® Processor E5-2600 v3 and Intel® Xeon® Processor E5-1600 v3 product families delivers many new features over previous processor generations, including up to 36 processor cores per DP serverboard, 160W TDP, with additional performance and security features.

High Capacity Memory

In addition to providing High Quality and Reliable memory, Supermicro is also the leader in offering the next generation of industry standard memory module, ECC 3DS 128GB LRDIMMs and RDIMMs. These are the next generation of industry standard DDR4 DIMM for Servers and Workstations that offers increased capacity, up to 3TB in 24 DIMMs, and performance, up to 2400MHz.

Advanced Storage Technologies

Supermicro achieves the highest storage density with the 4U SC847 Double-Sided Storage® JBOD solution featuring 90x 3.5" hot-swappable HDDs in 45 drive bays. Supermicro's innovative Double-Sided Storage® (SC417) provides extra high-density storage to maximize space and power efficiency. With support for up to 88x 2.5" HDDs in JBOD mode and 72x 2.5" HDDs in server mode, the SC417 provides direct hot-swap access to all the Storage Drives. Additional high value features include integrated SAS 3.0 that doubles the storage data transfer rate to 12.0 Gbps for the most advanced applications. The Supermicro SC847D Double-Sided Storage® offers an industry-leading 72 hot-swap 3.5" SAS2/SATA3 HDDs in 4U and the SC946ED 4U OpenCloud OpenStack storage system provides 90x 3.5" hot-swappable top-loading HDDs in 4U. Supermicro is among the first to provide NVMe support with up to 4x performance of SAS 3.0, on our SuperServer® solutions.

Latest Networking Solutions

Supermicro Building Block Solutions® include the most advanced onboard networking components such as QDR and FDR InfinBand, 40 Gigabit Ethernet, and both 10GBase-T and SFP+ 10 Gigabit Ethernet. These technologies allow Supermicro Building Block Solutions® to satisfy the most advanced customer networking needs.

Onboard Management (IPMI 2.0)

Many Supermicro X10/X9 motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN with an option of shared LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs. The BMC provides additional Enterprise management functions such as BIOS firmware management, System Utilization (X10) and Asset Information (X10).

Hybrid CPU + GPU/Intel® Xeon Phi™ coprocessor Supercomputing Systems

With supercomputer-level performance, these hybrid CPU + GPU/Intel® Xeon Phi™ coprocessor supercomputing solutions are ideal for scientific computing, CAD/CAM, oil and gas exploration, medical imaging, and other computationally-intensive applications.

Advanced Power Saving Components

Supermicro's motherboards utilize high-end components such as high-efficiency VRMs optimized to reduce energy consumption. These energy-efficient designs make Supermicro an industry leader in performance-per-watt and per-dollar.

BBP® and 96%+ Peak Power Supply Efficiency Designed for Power Savings & Environmental Protection

Supermicro has mastered the power supply design challenge to produce high-quality, high-performance Titanium Level redundant, hot-swappable Digital Power Supplies with peak efficiency ratings of 96% and higher. Supermicro has also developed an industry-first redundant hot-swappable battery backup power UPS module (BBP®) ideally suited for environments in need of cost-effective uninterruptible power solutions, and CacheVault SuperCap which is the latest in power loss data protection technology. These components help make Supermicro the leading Green standard for server chassis solutions.

Enhanced Cooling Systems

With enhanced rear cooling, Supermicro chassis and server systems can effortlessly support the latest energy intensive GPUs and add-on cards such as PCI-E SSDs. Supermicro's patented 100% redundant cooling designs can run continuously at their full potential, even when a fan failure occurs. Expertly engineered high-performance fans and unique air shrouds allow Supermicro to dramatically reduce downtime due to thermal issues.

Global SKUs

Global SKUs are popular, high-volume Supermicro products designed for higher sustained inventory levels at Supermicro's global operations and logistics centers in the US, Asia, and Europe. Global SKUs are integrated locally within their region to minimize customers' transportation times, costs, and environmental impacts to help keep our Mother Earth Green.

Supermicro is RoHS Compliant

Supermicro is proud to rally a migration to earth-friendly server products that contain minimal amounts of hazardous substances. With the RoHS Directive changing the electronics industry worldwide, Supermicro produces environmentally safe products that meet or exceed RoHS requirements.

Operating System Support

Supermicro endorses and supports a variety of server operating systems for SuperServer® and Server Building Block Solutions® products including Windows Server 2012, the most recent released publicly available version of Microsoft Windows Server, RHEL, VMWare, Citrix, GPU, and others. Please contact Supermicro for the very latest compatible and logo certified products or consult the following websites: http://www.supermicro.com/support/resources/OS/OS_Certification_Intel.cfm

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Supermicro's server systems are carefully designed with our Server Building Block Solutions® to provide the ultimate in performance, efficiency and improved TCO. With the industry's broadest variety of advanced technology server systems, Supermicro has the best solution for every IT need.

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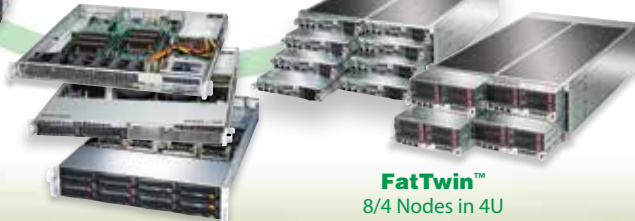
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