



New Generation

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

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/Xeon Phi™ 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

nvm
EXPRESS



We Power the Cloud



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 registered ECC DDR4 RDIMMs; 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 SIOM (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

**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 I²C & PMBus	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & 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	
Key Applications	<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 	
Serverboard	-TR3F: SUPER● X10QBL -COR3FT: SUPER● X10QBL-CT	-TR3F: SUPER● X10QBL -COR3FT: SUPER● X10QBL-CT
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	
Management	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	
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



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



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



Multi-Processor Based Server Solutions

Enterprise Mission Critical Target Segments & Workloads

Advanced Analytics

Highest memory capacity, advanced reliability and top of the line performance to support ERP, CRM, advanced analytics and big data

Database

High availability, advanced reliability, higher number of cores / threads and increased memory capacity to support the larger amount and criticality of data for back-end or in-memory databases

Virtualization

Advanced reliability combined with greater performance and headroom for high-density, high-capability virtualization

Scale Up High Performance Computing

Highest memory and advanced reliability for data-demanding, transaction intensive, technical computing workloads such as financial services portfolio analysis, etc ...

Supermicro MP Motherboards with SAS3 and 10GBase-T Available

*Flagship 8-Way E7-8800 v4/v3
Support up to 192 DIMM*



X100Bi-CPU

Proprietary 11.07" x 20.17"

*Top of the Line
4-Way E7, 96 DIMM*



X10QBi (Baseboard)

Proprietary 17" x 19"

*Entry Level
4-Way E7, 32 DIMM
LSI® 3008 SAS3
Dual 10GBase-T*



X10QBL-(4)(CT)

Proprietary 16.79" x 16.4"

*Cost Effective
E5, 48 DIMM*



X10QRH+

Proprietary 16.8" x 20"

Optimized Chassis for X10QBL-(4)(CT)



SC818A-1K43LPB

1400W
Platinum Level Digital Power Supply
3x 3.5" SAS2/SATA3
hot-swap drive bays



SC828TQ-R1K43LPB

Redundant 1400W
Platinum Level Digital Power Supplies
6x 3.5" SAS2/SATA3
hot-swap drive bays



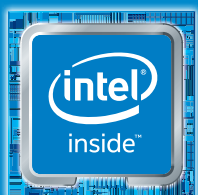
SC748TQ-R1K43B

Redundant 1400W
Platinum Level Digital Power Supplies
5x 3.5" SAS2/SATA3
hot-swap drive bays



**SC848E16-R1K62B
SC418E16-R1K62B**

Redundant 1620W
Platinum Level Power Supplies
24x 3.5" or 48x 2.5" SAS2/SATA3
hot-swap drive bays



www.supermicro.com/Xeon_MP

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