PowerEdge R230

Powerful and efficient 1-socket rack server for small and medium businesses (SMB) and remote office/branch office (ROBO).

The Dell PowerEdge R230 is an excellent first server or replacement server for driving applications in SMB. Compared to the previous-generation PowerEdge R220, the R230 delivers greater memory capacity, more hard drives and I/O slots, and accelerates data throughput and IOPs performance. The R230 also supports the full-feature remote management of the integrated Dell Remote Access Controller (iDRAC8) with Lifecycle Controller, making it highly attractive for ROBO of large institutions.

Discover greater versatility

Accommodate data growth through time with up to four internal 3.5-inch cabled or hot-plug hard drives. Expand memory capacity with four DIMM slots supporting up to 64GB of DDR4 memory to drive application performance and fast response times. Adapt flexibly to changing workload conditions with a virtualization-ready server supporting Microsoft® Windows Server® with Hyper-V®, VMWare® vSphere® ESXi® and Citrix® XenServer®.

Deliver powerful performance

Accelerate compute performance across a wide range of applications with a processor from the latest Intel® Xeon® processor E3-1200 v5 product family. Drive 33% faster memory performance with DDR4 memory compared to DDR3. Boost I/O data throughput with 2 x PCIe 3.0 slots driving 2x data throughput compared to PCIe 2.0. Deliver 2x IOPS performance with R230/PERC9 compared to the previous-generation R220/PERC8.

Maximize operational efficiency

Deploy smoothly and rapidly with Dell OpenManage systems management solutions. Easily monitor system health and behavior with the simple, intuitive Dell OpenManage Essentials console. Gain additional levels of convenience and high availability protection with hot-plug hard drives.

Innovative management with intelligent automation

The Dell OpenManage systems management portfolio includes innovative solutions that simplify and automate management tasks, making IT operations more efficient and more cost-effective throughout the server life cycle. Leveraging the incomparable agent-free capabilities of the PowerEdge embedded iDRAC with Lifecycle Controller technology, server deployment, configuration and updates are rapid, confident and worry-free. Monitoring and control of the R230 is provided by OpenManage Essentials and can also enable anytime, anywhere mobile access, through OpenManage Mobile.

PowerEdge R230

- 1-socket rack server with a choice of latest Intel Xeon E3-1200 v5 processors

- Up to 4 x DDR4 DIMMs

- Up to 4 x 3.5" hard drives

Features	Techincal Specification
Form factor	1U rack server
Processor	1 processor from the following product families: • Intel® Xeon® processor E3-1200 v5 product family • Intel Pentium® • Intel Core™ i3
Chipset	Intel C236
Operating system	Microsoft® Windows Server® 2012 Microsoft Windows Server 2012 R2, x64 Red Hat® Enterprise Linux® VMware® Vsphere® 2015
Memory	Architecture: Up to 2133MT/s DDR4 DIMMs Memory type: UDIMMs Memory module sockets: 4 Maximum RAM: Up to 64GB
Hypervisor support	Microsoft Windows Server with Hyper-V® Citrix® XenServer® VMware® vSphere® ESXi®
Storage	• 2.5″ SSD SATA • 2.5″ SATA 7.2K • 2.5″ SAS 15K HDs • 2.5″ nearline SAS 7.2K • • 2.5″ SAS 10K HDs • 3.5″ Enterprise SATA 7.2K HDDs • 3.5″ nearline SAS 7.2K HDDs • 3.5″ 7.2K SATA entry drives
Drive bays	2 x 3.5″ cabled HDD 4 x 3.5″ cabled HDD 4 x 3.5″ hot-swap or 2.5″ hot-swap in hybrid drive carrier
Slots	2 x PCIe 3.0 slots: x16 slot, full height (1x8 3.0)+ x8 slot,low profile (1x4 3.0)
RAID controllers	PERC S130, PERC H330, PERC H730, PERC H830
Network controller	Broadcom® 5720
Communications	Broadcom quad-port 1Gb Base-T adapter Broadcom dual-port 1Gb Base-T adapter
Power	250W cabled PSU
Chassis	• 2 x 3.5″ cabled HDD 19.5″ 1U chassis • 4 x 3.5″ cabled HDD 19.5″ 1U chassis • 4 x 3.5″ hot-swap or 2.5″ hot-swap in hybrid drive carrier
Management	Systems management: • IPMI 2.0 compliant • Dell OpenManage Essentials • Dell OpenManage Mobile • Dell OpenManage Power Center Dell OpenManage Integrations: • Dell OpenManage Integration Suite for Microsoft System Center • Dell OpenManage Integration for VMware vCenter® • Dell OpenManage Connections: • HP Operations Manager, IBM Tivoli® Netcool® and CA Network and Systems Management • Dell OpenManage Plug-in for Oracle® Database Manager Remote management: iDRAC8 with Lifecycle Controller, iDRAC8 Express (default), iDRAC8 Enterprise (upgrade), 8GB vFlash media (upgrade),16GB vFlash media (upgrade)
Device Access	5 total USB: Rear: 2 x USB 3.0 ports Front: 2 x USB 2.0 ports Internal: 1 x USB 3.0 port
Rack Support	ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm.
Dimensions	Depth without Bezel : 495.0 mm (19.5 in) Depth with Bezel : 676.92mm (20.8 In) Height : 42.8mm (1.68 in) Width without rack latches : 434.0mm (17.08 in) Width with rack latches : 482.4mm (18.99 in)

End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.**

Learn More at Dell.com/PowerEdge

FY16Q3_378_Dell_PowerEdge_R230_SpecSheet_102115