DELLEMC

POWEREDGE R230

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

The Dell EMC 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-featured, remote management of the integrated Dell Remote Access Controller (iDRAC8) with Lifecycle Controller, making it highly attractive for ROBOs of large institutions.

Discover greater versatility

Accommodate data growth over 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® and VMware® vSphere® ESXi®.

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 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 embedded iDRAC with Lifecycle Controller, server deployment, configuration and updates are rapid and worry-free. Remote 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

Feature	Technical specification	
Form factor	1U rack server	
Dimensions and weight	H: 42.8 mm (1.67 in), W: 434.0 mm (17.09 in), D: 495 mm (19.5 in) w/o ear, w/o bezel Max weight: 10.6 kg (20.96 lb)	
Processor	1 processor from the following product families: · Intel® Xeon® processor E3-1200 v5 product family · Intel Pentium® · Intel Core™ i3 · Intel Celeron®	
Chipset	Intel C236	
Operating system	Microsoft® Windows Server® 2012 Microsoft Windows Server 2012 R2, x64 Red Hat® Enterprise Linux® VMware® Vsphere® 2015 SUSE® Linux Enterprise Server®	
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® VMware® vSphere® ESXi®	
Storage	· 2.5" SATA 7.2k · 2.5" nearline SAS 7.2k · 2.5" 10k SAS HDDs · 2.5" 15K SAS HDDs	· 2.5" SATA SSDs · 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	2 x 1GbE LOM Click here for R230 supported network interface cards (NICs) and host bus adapters (HBAs) and scroll to "Additional Network Cards" section.	
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 **Remote management** iDRAC8 with Lifecycle Controller, iDRAC8 Express (default), iDRAC8 Enterprise (upgrade), 8GB vFlash media (upgrade), 16GB vFlash media (upgrade)	Dell OpenManage Connections: · HP Operations Manager, IBM Tivoli® Netcool® and CA Network and Systems Management, Dell OpenManage Plug-in for Oracle® Enterprise Manager Dell OpenManage Integrations: · Dell OpenManage Integration Suite for Microsoft System Center, Dell OpenManage Integration for VMware vCenter®
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™ static rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post racks.	

Recommended services

ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/itlifecycleservices.

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 EMC for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell EMC 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.*

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