



PowerEdge R530

Versatile and affordable two-socket, 2U mainstream rack server delivers balanced performance and mid-range scalability for a wide range of common business workloads.

Designed for data centers needing an affordable, virtualization-ready, two-socket rack server, the PowerEdge R530 is an excellent platform for a wide range of common business applications and small-scale virtualization. The R530 is also highly attractive as a dedicated development or backup server.

Deliver powerful performance

Accelerate performance across a wide range of workloads with the latest Intel® Xeon® processor E5-2600 v3 product family. Drive greater memory performance with 12 DIMM slots and DDR4 memory. Boost I/O performance with five PCIe slots, including three PCIe 3.0 slots driving 2x data throughput compared to the previous generation.

Maximize operational efficiency

Accelerate time to production and drive better ROI by automating deployment with the PowerEdge embedded integrated Dell Remote Access Controller 8 (iDRAC8) with Lifecycle Controller. Save time and free-up IT administrator energies with intuitive automated tools for monitoring and updating. Control energy budgets with highly energy-efficient processors, memory, power supplies and Fresh Air 2.0 compliance.

Discover greater versatility

Easily accommodate data growth with support for up to 8 x 3.5" hard drives. Select from a range of RAID options for data protection and optimized performance. Adapt flexibly to changing workload conditions with an expandable platform ready for virtualization and high-availability clustering.

Innovative management with intelligent automation

The Dell OpenManage systems management portfolio includes innovative solutions that simplify and automate essential server lifecycle management tasks — making IT operations more efficient and Dell servers the most productive, reliable and cost effective. Leveraging the incomparable agent-free capabilities of the PowerEdge embedded iDRAC with Lifecycle Controller technology, server deployment, configuration and updates are streamlined across the OpenManage portfolio and through integration with third-party management solutions.

Monitoring and control of Dell and third-party data center hardware is provided by OpenManage Essentials and with anytime, anywhere mobile access, through OpenManage Mobile. OpenManage Essentials now also delivers Server Configuration Management capabilities that automate one-many PowerEdge bare-metal server and OS deployments, quick and consistent replication of configurations and ensure compliance to a predefined baseline with automated drift detection.

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- Latest Intel Xeon processor E5-2600 v3 product family
- Up to 12 x DDR4 DIMMs
- Up to 8 x 3.5" hard drives
- Up to 5 x PCIe slots (including 3 x PCIe 3.0)

Feature	PowerEdge R530 technical specification
Form factor	2U rack server
Processor	Intel® Xeon® processor E5-2600 v3 product family Processor sockets: 2 Chipset: C610 Internal interconnect: Up to 9.6GT/s; core options: 6, 8, 10, 12, 14
Memory	DDR4 DIMMs at up to 2133MT/s; 12 DIMM slots: 4GB/6GB/16GB/32GB
I/O slots	Support for up to 5 x PCIe • 3 x PCIe 3.0 • 2 x PCIe 2.0
Storage	Up to 8 x 3.5" SAS, SATA, nearline SAS,SSD drives
RAID controllers	Internal controllers: PERC S130 (SW RAID), PERC H330, PERC H730, PERC H730P External HBAs (RAID): PERC H830 External HBAs (non-RAID): 12Gbps SAS HBA
Network controller	4 x 1GbE
Communications	Add-in network interface cards (NICs) and host bus adapters (HBAs) Broadcom® dual-port 10Gb Base-T adapter Broadcom dual-port 10Gb SFP+ adapter Broadcom quad-port, 1Gb PCIe NIC Emulex® dual-port 10Gb PCIe NICs Emulex Lightpulse® Fibre Channel SC and DLC HBAs Emulex Lightpulse Gen 5 single-port and dual-port Fibre Channel LC SFP+ HBAs Intel dual-port 10Gb Base-T adapter Intel dual port and quad-port 10Gb SFP+ adapter Intel dual-port 1Gb adapter Intel dual/quad-port 1Gb, PCIe NICs Mellanox® ConnectX®-3 Pro single/dual-port adapters 10GbE, 40GbE QLogic® 2600 Series 16Gb Gen 5 Fibre Channel HBAs QLogic dual-port 8Gb Fibre Channel to PCIe HBAs QLogic single-port and dual-port, 4Gbps Fibre Channel to PCIe HBAs For the most current communications offerings, visit Dell.com .
Power supplies	495W, 750W, 1100W hot-plug PSU; 450W cabled PSU.
Systems 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 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
Optional supported hypervisors	Citrix® XenServer®, VMware vSphere ESXi™, Red Hat® Enterprise Virtualization®
Operating systems	Microsoft Windows Server® 2008 R2 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Microsoft Windows HPC Server 2008 Novell® SUSE® Linux Enterprise Server Red Hat Enterprise Linux® VMware ESX® For more information on the specific versions and additions, visit Dell.com/OSsupport .
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.
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit Dell.com/OEM .
Recommended support	Dell ProSupport Plus for critical systems or Dell ProSupport for premium hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell representative today for more information. Availability and terms of Dell Services vary by region. For more information, visit Dell.com/Services .

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.**

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