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Dell PowerEdge R720xd

With ultra-dense internal storage, the 2-socket, 2U Dell™ PowerEdge™ R720xd rack server is performance balanced for data intensive operations.

Designed for workloads that are hungry for storage and I/O performance, like medical imaging and email servers, the Dell PowerEdge R720xd rack server is a powerful combination of highly expandable memory, impressive I/O capabilities and extraordinary storage capacity. Powered by Intel® Xeon® E5 processors, and reinforced with reliability, availability and serviceability (RAS) features like hot-plug fans, disks and power-supply units (PSUs), the R720xd delivers outstanding performance and rock-solid reliability.

Exploit extensive local storage

Quickly access and process vast amounts of data with the PowerEdge R720xd, which offers twenty-four 2.5-inch disks or twelve 3.5-inch disks (plus two 2.5-inch disks in the back of the server), up to 768GB of memory (24 DIMMs) and integrated PCIe Gen3-capable expansion slots. The R720xd is a great solution for any mid-size or large business that requires scalability in both memory density and storage capacity.

Tailor your network fabric

The R720xd's network features allow you to tailor your network throughput to match your application needs, enabling added I/O performance. Dell Select Network Adapters, our flexible NIC technology, let you choose the right network fabric without using up a valuable PCI slot. You can pick speed, technology, vendor and other options, like switch independent partitioning (SIP) that lets you share and manage bandwidth on 10GbE connections.

The PowerEdge server line

The PowerEdge family is engineered with the right combination of features and performance scalability to handle tough workloads for both large and small data center environments.

The Dell OpenManage™ systems management portfolio includes Dell Remote Access Controller (iDRAC) with Lifecycle Controller. This embedded feature helps IT Administrators manage Dell servers in physical, virtual, local and remote environments, operating in-band or out-of-band, with or without a systems management software agent. OpenManage integrates and connects to leading third-party systems management solutions you may already own, so you can maintain your single point of control and capitalize on your existing investment. OpenManage simplifies the lifecycle of deploying, updating, monitoring, and maintaining your Dell PowerEdge servers.

PowerEdge R720xd

- 26 x 2.5 inch internal disk capacity
- Up to 24 DIMMs
- PCIe Gen3-enabled expansion slots
- Choice of NIC technologies

Feature	PowerEdge R720xd technical specification
Form factor	2U rack
Processors	Intel® Xeon® processor E5-2600 product family
Processor sockets	2
Internal interconnect	2 x Intel QuickPath Interconnect (QPI) links; 6.4 GT/s; 7.2 GT/s; 8.0 GT/s
Cache	2.5MB per core; core options: 2, 4, 6, 8
Chipset	Intel C600
Memory ¹	Up to 768GB (24 DIMM Slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1600MHz
I/O slots	6 PCIe slots: <ul style="list-style-type: none"> Two x16 full-length, full-height One x8 full-length, full-height Three x8 half-length, half-height
RAID controller	Internal controllers: PERC H310 PERC H710 PERC H710P External HBAs (RAID): PERC H810 External HBAs (RAID): 6Gbps SAS HBA
Drive bays	Up to twenty-six 2.5" drives or up to twelve 3.5" drives plus two 2.5" drives
Maximum internal storage ¹	38TB
Hard drives	Hot-plug hard drive options: 2.5" SAS SSD, SATA SSD, SAS (15K, 10K), nearline SAS (7.2K), SATA (7.2K) 3.5" SAS (15K), nearline SAS (7.2K), SATA (7.2K) Self-encrypting drives available
Embedded NIC	Broadcom® Quad Port 1GbE BASE-T (no TOE or iSCSI offload) Intel Quad Port 1GbE BASE-T (no TOE or iSCSI offload) Intel Dual Port 10GbE BASE-T plus two 1GbE (FCoE capability enabled on the 10GbE ports) Broadcom Dual Port 10GbE SFP+ plus two 1GbE (TOE and iSCSI offload available on 10GbE ports)
Power supply	Platinum efficiency 495W, 750W or Platinum+ efficiency 1100W power supplies Auto-ranging power supplies
Availability	High-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; hot-plug redundant fan; optional bezel; luggage-tag; ECC memory, interactive LCD screen; extended thermal support; ENERGY STAR® compliant, extended power range; Switch Independent Partitioning (SIP)
Remote management	iDRAC7 with Lifecycle Controller iDRAC7 Express (default), iDRAC7 Enterprise (upgrade option) 8GB or 16GB vFlash media (upgrade options)
Systems management	IPMI 2.0 compliant Dell OpenManage™ Essentials and Dell Management Console Dell OpenManage Power Center Dell OpenManage Connections: <ul style="list-style-type: none"> Dell OpenManage Integration Suite for Microsoft® System Center Dell plug-in for VMware® vCenter™ HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management
Rack support	ReadyRails™ sliding rails with optional cable management arm for 4-post racks (optional adapter brackets required for threaded hole racks)
Operating systems	Microsoft® Windows Server® 2008 R2 SP1, x64 (includes Hyper-V™ v2) Microsoft Windows® Small Business Server 2011 SUSE® Linux® Enterprise Server Red Hat® Enterprise Linux Optional embedded hypervisors: Citrix® XenServer™ VMware® vSphere™ For more information on the specific versions and additions, visit Dell.com/OSsupport .

¹GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

Global services and support

Dell Services can help reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. The Dell Services team takes a holistic view of your needs, and designs solutions for your environment and business objectives while leveraging proven delivery methods, local talent and in-depth domain knowledge for the lowest total cost of ownership.

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.

Learn more at Dell.com/Partner/PowerEdge

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