



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 offers a powerful combination of highly expandable memory, impressive I/O capabilities and extraordinary storage capacity. Powered by the Intel® Xeon® processor E5-2600 or E5-2600v2 product family and reinforced with reliability, availability and serviceability (RAS) features like hot-plug fans, disks and power supply units, 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 24 2.5-inch disks or 12 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 PCI Express® (PCIe) 3.0-capable expansion slots. The R720xd is a great solution for any midsize 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 that lets you share and manage bandwidth on 10GbE connections.

The PowerEdge portfolio

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 Integrated Dell Remote Access Controller 7 (iDRAC7) 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 installed. OpenManage iDRAC with Lifecycle Controller integrates and connects to leading third-party systems management solutions, so users can maintain a single point of control and capitalize on an existing systems management investment. OpenManage simplifies the lifecycle of deploying, updating, monitoring and maintaining Dell PowerEdge servers.

PowerEdge R720xd

- 26 2.5-inch internal disk capacity
- Up to 24 DIMMs
- PCIe 3.0-enabled expansion slots
- Choice of NIC technologies

Feature	PowerEdge R720xd technical specification	
Form factor	2U rack	
Processors	Intel® Xeon® processor E5-2600 or E5-2600v2 product family	
Processor sockets	2	
Internal interconnect	2 Intel QuickPath Interconnect (QPI) links; 6.4GT/s; 7.2GT/s; 8.0GT/s	
Cache	2.5MB per core; core options: 4, 6, 8, 10, 12	
Chipset	Intel C602	
Memory ¹	Up to 768GB (24 DIMM Slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1866MT/s	
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
Drive bays	Up to 26 2.5" drives or up to 12 3.5" drives plus two 2.5" drives	
Maximum internal storage ¹	Up to 50TB	
Hard drives	Hot-plug hard drive options: 2.5" SAS SSD, SATA SSD, SAS (15K, 10K), nearline SAS (7.2K), SATA (7.2K), SAS 512e (15K) 3.5" SAS (15K), nearline SAS (7.2K), SATA (7.2K) Self-encrypting drives available	
Embedded NIC	Broadcom® 5720 quad-port 1GbE Base-T (no TOE or iSCSI offload) Broadcom 57800S dual-port 10GbE Base-T with 2 x 1GbE (TOE and iSCSI offload available on 10GbE ports) Broadcom 57800S dual-port 10GbE SFP+ with 2 x 1GbE (TOE and iSCSI offload available on 10GbE ports) Broadcom 57840S quad-port 10GbE SFP+ Rack NDC (NPAR1.0, SRIOV, DCB, iSCSI and FCoE offloads and CEM) Intel I350 quad-port 1GbE Base-T (no TOE or iSCSI offload) Intel X540 dual-port 10GbE Base-T with 2 x 1GbE (FCoE capability enabled on the 10GbE ports)	
Power supplies	Auto-ranging Titanium efficiency, hot-plug redundant 750W AC power supply; auto-ranging Platinum efficiency, hot-plug redundant 495W, 750W or 1100W AC power supply; 1100W DC power supply	
Availability	High-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; hot-plug, redundant fan; optional bezel; information tag; ECC memory; extended thermal support; ENERGY STAR® compliant; switch independent partitioning	
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 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™ 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. 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 (Telco) racks.	
Operating systems	Microsoft® Windows Server® 2012 Microsoft Windows Server 2008 R2 SP1, x64 (includes Hyper-V®) Microsoft Windows® Small Business Server 2011 Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux®	Virtualization options: Citrix® XenServer® VMware vSphere® ESXi™ Red Hat Enterprise Virtualization® For more information on the specific versions and additions, visit Dell.com/OSsupport .

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/PowerEdge

© 2013 Dell Inc. All rights reserved. Dell, the DELL logo, the DELL badge, PowerEdge, ReadyRails, and OpenManage are trademarks of Dell Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims proprietary interest in the marks and names of others. This document is for informational purposes only. Dell reserves the right to make changes without further notice to any products herein. The content provided is as is and without express or implied warranties of any kind.

