

Dell PowerEdge 2600 Server



The Dell™ PowerEdge™ 2600 server delivers an exceptional combination of performance, availability and flexibility in a rackable tower format for a variety of front-server workloads.

Performance

Featuring up to two 3.20GHz Intel® Xeon™ processors with 2MB cache, the PowerEdge 2600 server is designed to deliver unprecedented levels of performance in its product class. The Intel Xeon processor incorporates revolutionary advancements in dual processor server technology, such as hyper-threading, that allow multiple tasks to run simultaneously.

Additionally, the Intel E7501 chipset improves performance with NetBurst micro-architecture, which provides a 533MHz system bus for multithreaded applications or multitasking environments. The chipset also offers two-way memory interleaving enabling memory to be added in identical pairs.

Another high performance feature of the PowerEdge 2600 server is PC2100 DDR SDRAM memory with a maximum bandwidth of 3.2GB/s. The server also features the next generation I/O PCI-X that provides high bandwidth, low latency and dedicated hardware interfaces between internal chips and peripheral cards. Plus, the PowerEdge 2600 server includes an embedded Gigabit Ethernet¹ NIC.

Expandability

The PowerEdge 2600 server is designed to provide you with the flexibility necessary to keep up with changing demands. It is scalable to 12GB of PC2100 DDR SDRAM so you can increase your server memory when you need more robust performance. And with seven I/O slots and up to eight hot-pluggable hard drives, you have room for additional functionality and future expansion. What's more, the PowerEdge 2600 server not only has the potential for up to 1.168TB of internal hard disk storage, but also has the capacity to interface with Dell's PowerVault™ External SCSI storage and Dell/EMC® Fibre Channel storage. It enables you to deploy a server to support a wide range of workloads from data centers to small workgroups.

Availability

Many high availability features help minimize server downtime. The PowerEdge 2600 server includes an Active ID Bezel indicator easily letting you know the overall health of the system. Also, it features hot-plug hard drives, power supplies and redundant cooling fans for increased availability. And the PowerEdge 2600 makes protecting data through RAID easy and affordable by providing an optional high performance embedded PERC4/Di RAID subsystem that includes 128MB of battery backup cache for further availability. Plus, the server can be clustered to achieve higher availability and performance.

Manageability

The PowerEdge 2600 server includes unique design features making it easy to deploy, service and manage remotely and helping to lower your total cost of ownership. Its tool-less chassis enables you to quickly and simply reach components for easy maintenance. Furthermore, the optional Embedded Remote Access port allows you to manage the server from a different location. And the Dell OpenManage™ suite of software enhances manageability to save you time and money.

Combining performance, availability and configuration flexibility, the PowerEdge 2600 server is an ideal solution for small-to-medium businesses and remote sites that require robust internal storage, PCI expandability and high availability features.



PowerEdge 2600

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By leveraging the proven advantages of our direct model, including tailored service and support, low cost and a single point of accountability, Dell Services can provide you with fast, effective, affordable service offerings at any point in your IT process. Whether you need professional consulting, training and certification, deployment, or support services, Dell promises to be your single point of accountability at all times.

Professional Services

Dell Professional Services enables Dell customers to optimize ROI by leveraging complex technology through the design, development and deployment of innovative, robust and scalable business-critical solutions. With each engagement, we utilize our proven methodology and project management expertise to understand your business objectives, design plans that are flexible to adapt to your current environment and then deliver the desired results.

Deployment Services

We bring you deployment assistance that delivers true value from beginning to end. Dell can tailor systems to our customers' specifications by customizing the hardware and software configuration during the initial system-build to reduce redundancy and time. We can manage the delivery, installation and disposal of your assets with the same eye for efficiency.

Training and Certification

Our approach to Training and Certification allows you to outsmart your competitors – not outspend them – with industry standard learning across Dell hardware and industry standard software. Dell can assist you wherever you need us, whether on-site, on-line or in a classroom setting, to help your organization take full advantage of information technology.

Enterprise Support Services

Technology is a significant investment, and it pays to have a partner who can help you minimize costly downtime. Through our Enterprise Support Services offerings, Dell provides tiered support service packages with the flexibility to customize the offering to meet your specific needs across a wide range of computing environments. With proactive and reactive support options which include hardware and software support with varied response levels, account management, and remote resolution, Dell provides support solutions that meet your needs, cost effectively.

FEATURES

DESCRIPTION

Processors	Up to two Intel® XEON™ III processors at 2.4GHz, 2.8GHz, 3.06GHz and 3.20GHz
Front side bus	533MHz
Cache	512K L2; 512K, 1MB or 2MB L3
Chipset	Intel E7501 chipset
Memory	256MB/512MB/1GB registered PC2100 DDR in pairs for two-way interleaving Six DDR DIMM sockets for support up to 12GB of main memory Configurable ECC memory with ChipKill support
I/O Slots	Seven expansion slots: 2 x 64-bit/133MHz PCI-X; 4 x 64-bit/100MHz PCI-X; 1 x 32-bit/33MHz PCI
Drive controllers	Embedded LSI Logic 53C1030 dual integrated PCI Ultra320 LVD SCSI controller
RAID controllers	Embedded PERC4/Di (dual channel Ultra320 RAID with 128MB of battery-backup cache); optional PERC4/DC; optional PERC3/DC (dual-channel PCI RAID controller); optional PERC3/QC (quad-channel PCI RAID controller);
Drive bays	Standard internal hard drive bays to support up to six 1" Ultra320 SCSI hard drives with Dell hot-plug drives; optional two 1" hot-plug drives in the external media bays; optional 2 x 3 split backplane
Hard drives	36GB, 73GB and 146GB (10,000 rpm) hot-plug Ultra320 SCSI hard drives; 18GB, 36GB and 73GB (15,000 rpm) hot-plug Ultra320 SCSI hard drives
Maximum internal storage	Up to 1.168TB
External storage options	Dell™ PowerVault™ NAS Storage ; Dell PowerVault SCSI Storage; Dell PowerVault Fibre Channel Storage; Dell/EMC products
Tape backup options	Internal: PowerVault 100T and PowerVault 110T Tape Backup External: PowerVault 120T, PowerVault 122T, PowerVault 128T, PowerVault 132T and PowerVault 136T Tape Backup Rack Enclosures: PowerVault 112T Tape Rack Enclosure
Network interface card	Single embedded Intel 10/100/1000 Gigabit NIC
Dimensions (H x W x D)	
Tower	17.5" x 9.125" x 24.75" (44.5 cm x 23.0 cm x 62.5 cm)
Rack	8.56" x 18.9" x 24.85" (21.7 cm x 48.0 cm x 62.9 cm)
Weight	90 lb.(40.9 kg), maximum configuration
Graphics	Integrated ATI-Rage XL controller with 8MB of SDRAM
Optional software	Microsoft® Windows® Server 2003 Standard Edition; Microsoft Windows 2000 Advanced Server; Microsoft Windows 2000 Server; Microsoft Windows NT Server 4.0; Microsoft Windows NT Server 4.0 Enterprise Edition; Novell® Netware® 5.1, 6.0; Red Hat® Linux 8.0, 9.0; Red Hat Linux 7.2; Red Hat Linux Advanced Server 2.1
Temperature	Operating: 10° C to 35° C (50° F to 95° F) Non-operating: -40° C to 65° C (-40° F to 149° F)
Humidity	Operating: 20% to 80% non-condensing Non-operating: 5% to 95% non-condensing
Altitude	Operating: -16m to 3,048m (-50 ft to 10,000 ft) Non-operating: -16m to 10,600m (-50 ft to 35,000 ft)

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¹ This term indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

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