

Dell PowerEdge 2550 Server



The Dell™ PowerEdge™ 2550 server provides exceptional performance, expandability and availability in a 2U chassis, making it ideal for multi-server environments.

Performance

The Dell PowerEdge 2550 server provides industry-leading performance within a 2U rack-optimized chassis. It delivers speeds up to 1.4GHz by utilizing the processing power of dual Intel® Pentium® III processors. With the integration of an improved system architecture, the PowerEdge 2550 replaces the PowerEdge 2450, which helped redefine the thin server market. New features include a Gigabit Ethernet Network Interface Card (NIC) making the PowerEdge 2550 the first server offered among top tier service vendors to incorporate this technology as an embedded feature. The ServerWorks® ServerSet HE-SL chipset also enables 2:1 interleaving for faster memory access. Speed is further enhanced by high performance SCSI technology that helps to ensure the highest rate of data transfers possible.

Availability

Offering excellent availability features, the PowerEdge 2550 is an ideal choice for businesses that require high levels of availability in a multi-server environment running messaging/communications, Internet/intranet or network infrastructure applications. Equipped with hot-plug drives and hot-plug redundant power supplies, administrators can switch out components during operation.

Additionally, the PowerEdge 2550 features dual embedded NICs with failover support to help ensure constant connections to the network in the event one card fails. Along with the optional Ultra3 (U160) RAID technology, the battery-backed cache offers further fault tolerance by providing write-back cache support.

Expandability

The PowerEdge 2550 provides exceptional expandability for the growing server marketplace. It packs up to 365GB of internal storage with as many as five internal hard drives and supports up to 4GB of SDRAM to easily handle memory intensive applications. It also features three open PCI slots allowing you to expand your systems as your needs change.

Manageability

To offer the smoothest operational experience possible, the PowerEdge 2550 incorporates many management features, including the Dell Server Assistant that provides quick and easy operating system setup and configuration, and the Dell OpenManage™ IT Assistant, an intuitive browser-based application that helps make management of clients easier. Furthermore, Dell Remote Assistant Card (DRAC 2) offers a high level of remote management functionality.



PowerEdge 2550

Exceptional performance. Easy as **DELL™**

Visit www.dell.com for more information.



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PREMIER ENTERPRISE SERVICES

Dell offers a broad portfolio of Enterprise Services that help you optimize your use of Dell technology, rapidly deploy your systems and maximize system uptime. Dell provides the expert technical assistance you need with a single point of contact while striving to help you lower total cost of ownership. The following service offerings are available for Dell™ PowerEdge™ 2550 systems:

Premier Enterprise Consulting

- Infrastructure Consulting Services – Planning, design, migration, and integration services in Microsoft®-based environments
- Dell Technology Solution Center Services – Proof-of-concept validation, tuning and system testing in secure, comprehensive lab
- Dell Technology Training – Best practice knowledge transfer, systems management and enterprise product training

Premier Enterprise Deployment

- Custom hardware and software integration in the factory
- System delivery and destination services
- Asset tagging services
- On-site hardware installation and post-installation production readiness services

Premier Enterprise Support

Tiered service offerings (Platinum, Gold, Silver and Bronze) with a variety of bundled services:

- 24/7 Engineer-to-Engineer Support¹
- Technical Account Manager¹
- Change Management² and Change Notification¹
- Remote Monitoring²
- On-Site Troubleshooting²
- Optional On-Site Spares and On-Site Engineer³
- Optional Customized System Availability Guarantee³
- On-Site⁴ Support Services including 2-hour response/6-hour repair⁵, 4-hour response⁶
- 24/7 software support for select Microsoft, Novell® and Red Hat® Linux® operating systems, Dell OpenManage™ software, and Microsoft BackOffice® applications

Standard Support Services

- Limited Warranty⁷ and three years of Next Business Day (NBD) Parts Replacement and one year NBD On-Site⁸ Labor Service
- Pre-Failure Alert⁸ Program for Dell SCSI hard drives and DIMM components
- 24/7 toll-free hardware technical support for as long as you own your Dell hardware
- 30-day Getting Started telephone software support⁹
- Extensive 24/7 online assistance at premiersupport.dell.com

Services vary by region. For more information on the available services in your area, please visit dell.com.

FEATURES

- Form factor**
- Dimensions (H x W x D)**
- Processor(s)**
- Front side bus**
- Cache**
- Chipset**
- Memory**
- PCI slots**
- Drive controllers**
- RAID controllers**
- Drive bays**
- Maximum internal storage**
- Hard drives**
- External storage**
- Network interface card**
- Power**
- Availability**
- Graphics**
- Optional software**

DESCRIPTION

- 2U rack height
- 3.25" x 16.75" x 28.75" (8.26cm x 42.55cm x 73.03cm)
- Up to two Intel® Pentium® III processors, 933MHz, 1GHz, 1.13GHz, 1.26GHz and 1.4GHz for expandable performance
- 133MHz
- 256KB L2 (933MHz and 1GHz), 512KB L2 (1.13GHz, 1.26GHz and 1.4GHz)
- ServerWorks® High HE-SL – Utilizes 2:1 memory interleaving for faster memory access. Triple peer PCI bus architecture for uncompromising I/O throughput: 64-bit/66MHz embedded Gigabit NIC, three 64-bit/33MHz PCI slots, and a 32-bit/33MHz PCI bus supporting the embedded dual Ultra3 (U160) SCSI controllers and 10/100 NIC.
- 128MB up to 4GB 133MHz ECC SDRAM
- Seven total: 3 full length PCI slots (64-bit/33MHz), embedded Gigabit NIC (64-bit/66MHz), dual channel embedded Ultra3 (U160) SCSI/RAID controllers and 10/100 NIC (32-bit/33MHz)
- Embedded dual channel Ultra3 (U160) SCSI
- Embedded dual channel (enablement optional)
- Hard drive bay for 4 x 1" hot-plug SCSI drives
- Media bay for one 24X EIDE CD-ROM or 8X IDE DVD ROM, one 3.5" 1.44MB diskette drive, and one optional 1" hot-plug SCSI or DAT drive
- 365GB (5 x 73GB)
- 18GB¹⁰, 36GB, 73GB (10,000 rpm) and 18GB (15,000 rpm) Ultra3 (U160) SCSI
- SCSI and fibre channel storage systems
- Integrated Intel PRO/100+ and Broadcom® Gigabit BaseT
- Optional, hot-plug, redundant 330W power supplies
- ECC memory, dual channel embedded Ultra3 (U160) RAID with battery-backed cache, duplexing support, dual embedded NICs with failover and load balancing support, optional hot-plug redundant power supplies, hot-swap hard drives, high availability fibre and SCSI cluster support
- Integrated ATI-Rage XL controller with 8MB of SDRAM
- Novell NetWare® Version 5.1, Microsoft Windows NT® Server Version 4.0, Microsoft Windows® 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Windows NT4 Terminal Server Edition, Red Hat Linux 7.1, 7.2, Microsoft Windows NT Server 4.0 and Microsoft Windows 2000 Server

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¹ Platinum and Gold-level only.

² Platinum-level only, Remote Monitoring and On-Site Troubleshooting are optional for Gold.

³ Platinum-level only. Subject to the terms and conditions in the Dell 99.9% System Availability Program Agreement, Dell provides a limited guarantee that guarantees 99.9% uptime for the system during the Guarantee Term. For details, see http://www.dell.com/us/en/biz/services/service_99_9.htm.

⁴ Service may be provided by a third-party provider under contract with Dell. Technician will be dispatched if necessary following phone-based troubleshooting.

⁵ Available within a 25-mile radius of over 60 metropolitan areas. Customers not located within a 25-mile radius of the stocking locations are not eligible for this offering. Available on select Dell PowerEdge and PowerVault models in the U.S. only. Dell will, if necessary after phone-based troubleshooting, dispatch a technician to the customer site within 2 hours of determining the hardware problem. Service is subject to the terms and conditions of the service contract. See http://www.dell.com/us/en/biz/services/service_peservmain.htm for details.

⁶ Available within a 125-mile radius of over 80 metropolitan areas. Customers not located within a 125-mile radius of the stocking locations are not eligible for this offering. For 7x24 service, Dell will dispatch a service technician within 4 hours of determining the hardware problem. For 5x10 service, Dell will dispatch a technician to the customer site within 4 hours of determining the hardware problem. The service technician may not arrive until the following business day if dispatched after 4:00 pm local time.

⁷ For a complete copy of our service contracts or limited warranties, please see http://www.dell.com/us/en/gen/services/service_service_contracts.htm or write Dell USA L.P. Attn: Warranties, One Dell Way, Round Rock, TX, 78682.

⁸ Dell's Pre-Failure Alert program is available only in the United States on select Dell PowerEdge servers (1xx0, 2xx0, 4xx0, 64x0, 8450) and select PowerVault products. Specific terms apply. See http://www.dell.com/us/en/biz/services/service_prefail_svc.htm.

⁹ 30-day telephone support program at no additional charge to help customers with installation optimization and configuration questions during the critical 30-day period after shipment of your PowerEdge. This program is available to customers who purchase Novell NetWare or Microsoft Windows NT Server or Windows 2000 with their PowerEdge server from Dell.

¹⁰ For hard drives, GB means 1 billion bytes; total accessible capacity varies depending on operating environment.

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