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.

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PowerEdge 2550

Exceptional performance. Easy as DELL

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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 Support[1]
- Technical Account Manager[1]
- Change Management[2] and Change Notification[1]
- Remote Monitoring[2]
- On-Site Troubleshooting[2]
- Optional On-Site Spares and On-Site Engineer[1]
- Optional Customized System Availability Guarantee[3]
- On-Site[4] Support Services including 2-hour response/6-hour repair[5], 4-hour response[6]
- 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 Warranty[7] and three years of Next Business Day (NBD) Parts Replacement and one year NBD On-Site[4] Labor Service
- Pre-Failure Alert[8] 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 support[9]
- 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	DESCRIPTION
Form factor	2U rack height
Dimensions (H x W x D)	3.25" x 16.75" x 28.75" (8.26cm x 42.55cm x 73.03cm)
Processor(s)	Up to two Intel® Pentium® III processors, 933MHz, 1GHz, 1.13GHz, 1.26GHz and 1.4GHz for expandable performance
Front side bus	133MHz
Cache	256KB L2 (933MHz and 1GHz), 512KB L2 (1.13GHz, 1.26GHz and 1.4GHz)
Chipset	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.
Memory	128MB up to 4GB 133MHz ECC SDRAM
PCI slots	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)
Drive controllers	Embedded dual channel Ultra3 (U160) SCSI
RAID controllers	Embedded dual channel (enablement optional)
Drive bays	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
Maximum internal storage	365GB (5 x 73GB)
Hard drives	18GB[10], 36GB, 73GB (10,000 rpm) and 18GB (15,000 rpm) Ultra3 (U160) SCSI
External storage	SCSI and fibre channel storage systems
Network interface card	Integrated Intel PRO/100+ and Broadcom® Gigabit BaseT
Power	Optional, hot-plug, redundant 330W power supplies
Availability	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
Graphics	Integrated ATI-Rage XL controller with 8MB of SDRAM
Optional software	Novell NetWare® Version 5.1, Microsoft Windows NT® Server Version 4.0, Microsoft Windows® 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Window 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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