

Dell™ PowerEdge™ 2800 Server

DELL

The dual processor Dell™ PowerEdge™ 2800 server delivers aggressive performance, massive internal storage capacity and outstanding reliability in either a tower server or rack-mountable chassis to handle your growing data storage needs and keep your business running.

Reliability, Availability and Serviceability

The PowerEdge™ 2800 server features enterprise-level high availability features like optional hot-pluggable redundant power, hot-pluggable redundant cooling and even hot-pluggable PCI slots which allow you to replace components on the fly without taking your server offline. In addition, memory availability features such as ECC, SDDC, memory mirroring and spare bank memory help to ensure high data integrity and uptime.

Expandable Performance and Incredible Storage Capacity

The PowerEdge™ 2800 system delivers the latest in processor, memory and local I/O throughput technologies. Plus, it includes as many as seven PCI/PCI-X® or PCI Express™ slots. The PowerEdge™ 2800 server's combination of high performance and large storage capacities make it an ideal choice for server and storage consolidation projects. And this flexible server can be deployed as either a tower or a 5U rack-mountable unit. The ten hard drive bays not only provide scalable high performance, they also offer the ability to store multiple terabytes of data to help you keep up with rapidly growing storage requirements.

Simple Manageability and Serviceability

Designed with built-in manageability with the standard Baseboard Management Controller (IPMI 1.5 compliant), administrators can manage their server with any standard management application that supports IPMI. The optional DRAC4/I advanced remote management card provides even greater levels of management with continuous video, virtual floppy/CD and Active Directory support. The Dell™ OpenManage™ IT Assistant and Dell™ OpenManage™ Server Administrator help reduce management costs and hassles. And its easily accessible chassis makes service easy. The PowerEdge™ 2800 shares the same system board drivers and BIOS with the PowerEdge™ 1850 and 2850, helping to reduce your Total Cost Of Ownership.

The PowerEdge™ 2800 server is a feature-optimised workgroup class server that offers new levels of availability, performance, storage capacity and manageability.



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DELL ENTERPRISE SERVICES

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. By doing so, we offer a combination of bundled best practices and tailored solutions that work together to provide maximum value to you. Whether you need support, deployment, or training and certification programs, individually or bundled as a total package, Dell promises to be your single point of accountability at all times.

Dell Enterprise Deployment Services Can Help Improve IT Efficiency

We bring you deployment assistance that delivers true value from beginning to end. Dell can tailor systems to our customers' specifications by customising 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.

Dell Training and Certification Can Help Your Staff Keep Up with New Technology

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, or in a classroom setting, to help your organisation take full advantage of information technology.

Service	4-Hour ⁴	Next Business Day ⁵
Ideal for	Development Environments	Testing for File/ Print environments
On-site Spares (customer owned) On-site Engineer		
On-site Troubleshooting		
<ul style="list-style-type: none"> Customer Training Change Notification (Patch Fix, FCO, OpenManage Subscription) Customer-Defined call priority 		
Seamless Support		
<ul style="list-style-type: none"> Technical Account Manager (TAM) Remote Software Support 	Optional Resolution Pack	Optional Resolution Pack
<ul style="list-style-type: none"> On-site Hardware Support Technical Support 	7x24, hours response Level 1	Next Business Day Response (upgrade to standard warranty) Level 1
Lifetime Hardware Phone Support	7x24	7x24

For more information on the available services in your area, please visit www.dell.com/ap/services

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FEATURES	DESCRIPTION
Form factor	Tower or 5U rack-mount
Processors	Up to two single-core 64-bit Intel® Xeon™ processors at up to 3.8GHz or up to two dual-core 64-bit Intel Xeon processor at 2.8GHz
Front side bus	800MHz
Cache	Up to 2MB L2 per processor core
Chipset	Intel E7250
Memory	256MB/12GB DDR-2 400 SDRAM; 16GB with availability of dual rank 4GB DIMMS ¹
I/O channels	Seven total: two PCI Express™ slots (1 x 4 lane and 1 x 8 lane); four PCI-X™ slots (64-bit/133MHz); one PCI slot (32-bit/33MHz, 5v)
Drive controller	Embedded dual channel Ultra320 SCSI
RAID controller	Optional dual channel ROMB (PERC4/Di), PERC4/DC and PERC4e/DC ²
Drive bays	Eight 1" + Two 1" Ultra320 hot-plug SCSI drives with internal tape drive support
Maximum internal storage	Up to 1.46GB or up to 3TB with availability of 300GB hard drive
Hard drives	36GB, 73GB, 146GB and 300GB ³ (10,000 rpm) Ultra320 SCSI 18GB, 36GB, 73GB and 146GB (15,000 rpm) Ultra320 SCSI
Internal storage	10K/15K RPM SCSI drives
External storage	Dell PowerVault™ SCSI and Dell/EMC® fibre channel storage
Tape backup options	Internal: PowerVault 100T and 110T External: PowerVault 114T, 122T, 132T, 136T and 160T
Network interface card	Dual embedded Intel 10/100/1000 Gigabit NIC, Intel PRO/1000 MT Gigabit NIC (copper), Intel PRO/1000 MF Gigabit NIC (fibre)
Power supply	930W, optional hot-plug redundant power
Availability	ECC memory, Hot-plug PCI Express slots, Single Device Data Correction (SDDC), Spare Bank, Memory Mirroring; hot-plug SCSI hard drives; optional hot-plug redundant power; hot-plug redundant cooling; tool-less chassis; high availability fibre channel and SCSI cluster support; optional ROMB with battery-backed cache; optional Split Backplane; LCD panel; Active ID
Video	Embedded ATI Radeon 7000-M with 16MB SDRAM
Remote management	Baseboard Management Controller with IPMI 1.5 compliance, accessible via network or serial port; optional slot-free DRAC4/I
Systems management	Dell OpenManage™
Rack support	4-post (Dell rack) and 3rd party
Operating systems	Microsoft® Windows® Server 2003, Standard x64 Edition; Microsoft Windows Server 2003; Enterprise x64 Edition, Microsoft Windows Server 2003, Standard Edition; Microsoft Windows Server 2003, Enterprise Edition; Microsoft Windows Small Business Server 2003, Standard/Premium Red Hat® Linux® Enterprise v2.1 AS and ES; Red Hat Linux Enterprise v3 AS and ES; Red Hat Linux Enterprise v3 Advance Server EM64T; Novell® NetWare® 5.1 and 6.5

1 With availability of the single ranked 2GB DIMMS scheduled for Q4 2004.

2 Availability scheduled for Q3 2004.

3 For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment.

4 Dell Services programs are subject to the service radius restrictions within the country. On-site service provided by independent third-party service provider and may not be available in certain remote locations. Dell systems, which are not located within the four-hour or two-hour service coverage, will receive the service levels on next business day basis or best effort basis and subject to service capabilities of the nominated Dell Service Provider. Except for 24X7 services, calls will only be accepted up to 5p.m. local time. Technician shall be dispatched if necessary following telephone technical support.

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