

Dell PowerEdge 2800 Server



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 Express™ 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. It features dual Intel® Xeon™ processors (single-core or dual-core) with Intel Extended Memory 64 Technology that supports both 32-bit and 64-bit applications, the new Intel E7520 chipset and up to 16GB of DDR-2 memory¹. 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 DRAC 4/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-optimized workgroup class server that offers new levels of availability, performance, storage capacity and manageability.



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GET MORE PERFORMANCE AND VALUE. GET MORE OUT OF NOW.





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DELL ENTERPRISE SERVICES

Dell Services can deliver the services you need to realize the full value of your IT investment. Complementing our award-winning products, these IT infrastructure services incorporate operational excellence, accountability and value.

By utilizing our best practices, proven processes and expertise in implementing standards-based technologies, we can help strengthen your IT infrastructure and enable you to adopt evolving technologies. Whether you need support, deployment, asset management, training, certification, planning or professional services – individually or bundled as a total solution – you can count on Dell.

Strengthening Your IT Infrastructure

Our planning services help integrate your new enterprise hardware into your existing or evolving IT infrastructure. We can provide guidance whether you're adding a single or multiple servers, storage area network or high-performance computing cluster.

We can also help you enhance the overall performance of your IT infrastructure and data center by consolidating software and hardware, developing a business continuity plan and migrating to standards-based technologies.

Simplifying Deployment

Dell simplifies implementation with comprehensive services that accelerate deployment of new hardware and IT solutions. During the initial system-build of your server, we can customize software and hardware to match your specific requirements. By helping you rapidly deploy new capabilities while minimizing disruptions, we can contribute to improved efficiencies and lower costs.

Our training services provide education and certification courses to help you better manage and use your new hardware so you can reap the full benefits of standards-based technologies.

Providing Award-Winning Service & Support

Your server and storage infrastructure is central to your business, which is why you need a partner who can help minimize downtime and keep your business-critical systems running efficiently. Our enterprise support services are designed to protect your entire enterprise or to focus on specific systems. These customizable services include hardware and software support with varied response levels, account management and remote resolution.

We can also help you enhance the performance of your data center and provide managed IT solutions and asset management services for your enterprise, desktop and notebook environments.

The Dell Enterprise Command Centers (ECC) – which utilize industry-leading technologies and tools that speed up problem resolution – efficiently route spare parts and direct expert technicians to your site.

Services vary by region. For more information, please visit www.dell.com.

FEATURES Dell™ PowerEdge™ 2800 Server

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 processors at 2.8GHz
Front side bus	800MHz
Cache	Up to 2MB L2 per processor core
Chipset	Intel E7520
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 (PERC 4/Di), PERC 4/DC and PERC 4e/DC
Drive bays	Eight 1" + Two 1" Ultra320 hot-plug SCSI drives with internal tape drive support
Maximum internal storage	Up to 1.46TB or up to 3TB with availability of 300GB hard drive
Hard drives²	36GB, 73GB, 146GB and 300GB (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, 124T, 132T and 136T
Network interface card	Dual embedded Intel 10/100/1000 Gigabit ³ 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 (SDCC), 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 256MB 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 DRAC 4/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® Enterprise Linux® v2.1 AS and ES; Red Hat Enterprise Linux v3 AS and ES; Red Hat Enterprise Linux v3 Advanced Server EM64T; Novell® NetWare® 5.1 and 6.5

¹With availability of the dual ranked 4GB DIMMs scheduled for 2nd half of 2005

²For hard drives, GB means 1 billion bytes; actual capacity varies with preloaded material and operating environment and will be less

³This term does not connote an 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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