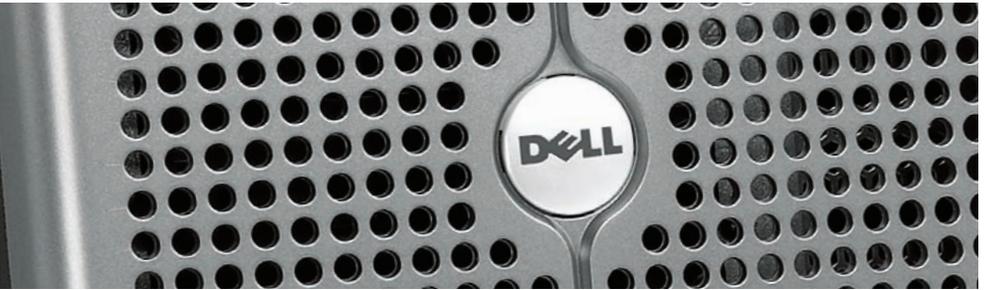# Dell PowerEdge 1800 Server

The Dell™ PowerEdge™ 1800 delivers a great balance of 2P performance with entry level features, expandability and affordability.

Affordable Performance

The PowerEdge 1800 server uses the latest Intel® Xeon™ processors and the Intel 7520 chipset to provide impressive speeds with an 800MHz on a Front Side Bus creating a fast path for data to move between the memory and the processor. And it offers DDR-2 memory for high quality data transmissions and future expandability. The PowerEdge 1800 system is designed for budget-friendly performance. Not only is it entry-level priced, it also supports legacy operating system support to help reduce Total Cost of Ownership.

Expandability and Flexibility

Another key benefit of the PowerEdge 1800 server is its built-in expandability and configuration flexibility. Expandability begins at the core of the system with Intel Extended Memory 64 Technology in the processor. This allows you to deploy 32-bit technology today with the capacity to move to 64-bit operating systems and applications in the future. The PowerEdge 1800 server also offers up to 12GB of memory for expandable application performance and as many as six hard drives. Plus, the server's PCI Express™ architecture delivers next generation I/O throughput that provides headroom for future high through put peripherals.

The PowerEdge 1800 server provides a wide range of configuration options. The flexible chassis can be deployed either as a tower or a 5U rack server. As a result, it can easily be moved from distributed locations into the datacenter. It also features an embedded Network Interface Controller and single channel SCSI for further configuration flexibility, leaving all of the I/O slots open.

Availability

Additionally, the PowerEdge 1800 system includes many high availability features to help maximize server uptime. It offers hot-plug redundant power supplies and SCSI hard drives along with a full range of RAID alternatives and an Active ID system health indicator. And it offers Storage Area Network, High Availability Clustering and external storage support for optimum data protection.

Manageability and Serviceability

The PowerEdge 1800 server is easy to manage and service which is designed to lower maintenance costs and help ensure less downtime. It features remote manageability with a Standard Baseboard Management Controller that has Intelligent Platform Management Interface (IPMI) 1.5 compliance. This enables management from any industry-standard management program that supports IPMI. Plus, you have the option of adding a DRAC 4/P management card for an even wider range of remote management capabilities that include continuous video console, integration with Active Directory and even virtual floppy/CD access. And the tool-less chassis along with rear access to power supplies makes the PowerEdge 1800 system simple to service.

The PowerEdge 1800 server delivers entry-level pricing with the latest in processor technology, expandable performance, availability and manageability, all in a flexible, cost-effective system.

Dell PowerEdge 1800

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

Dell PowerEdge 1800 Server

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™ 1800 Server
Form factor	Tower or 5U rack-mount
Processors	Up to two 64-bit Intel® Xeon™ processors at up to 3.8GHz
Front side bus	800MHz
Cache	Up to 2MB L2
Chipset	Intel E7520
Memory	256MB/12GB DDR-2 400 SDRAM
I/O channels	Six total: two PCI Express™ slots (1 x 8 lane and 1 x 4 lane); two PCI-X® slots (64-bit/100MHz); one PCI (32-bit/33MHz, 5v) and one PCI (64-bit/66MHz)
Drive controller	Embedded single channel Ultra320 SCSI and two-channel SATA controller
RAID controller	Optional CERC SATA 6ch, CERC SATA 2S, PERC 4/DC, PERC 4/SC and PERC 4e/DC
Drive bays	Six 1" Ultra320 hot-plug SCSI drives or six cabled SATA drives
Maximum internal storage	SCSI: up to 1.8TB with availability of 300GB hard drive; SATA: up to 1.5TB
Hard drives[1]	36GB, 73GB, 146GB and 300GB (10,000 rpm) Ultra320 SCSI 18GB, 36GB, 73GB and 146GB (15,000 rpm) Ultra320 SCSI 40GB, 80GB, 160GB and 250GB (7,200 rpm) SATA
Internal storage	10K/15K RPM SCSI drives; 7,200 RPM SATA drives
External storage	Dell PowerVault™ SCSI and Dell/EMC fibre channel storage
Tape backup options	Internal: PowerVault 100T, 110T; 1/2 height tape drives supported internally External: PowerVault 114T, 124T, 132T and 136T
Network interface card	Single embedded Intel 10/100/1000 Gigabit[2] NIC; Intel PRO/1000 MT Gigabit NIC (copper), Intel PRO/1000 MF Gigabit NIC (fibre)
Power supply	650W non-redundant or 675W hot-plug redundant power
Availability	ECC memory, Single Device Data Correction (SDDC); optional hot-plug SCSI hard drives; optional hot-plug redundant power; tool-less chassis; high availability fibre channel and SCSI cluster support; optional hardware or software RAID; 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 DRAC 4/P PCI card
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; Novell® NetWare® 5.1 and 6.5

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