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 throughput 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 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**  
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 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/PCI card

**Systems management**  
Dell OpenManage™

**Rack support**  
4-post (Dell rack) and 3rd party

**Operating systems**  

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

2This 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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