

# Dell PowerEdge 1750 Server



**In a rack-dense 1U form factor, the Dell™ PowerEdge™ 1750 server delivers exceptional dual-processor performance, high availability and easy manageability for edge-of-network, infrastructure, and high-performance computer cluster (HPCC) environments.**

## Exceptional Performance

With dual Intel® Xeon™ processors up to 3.06GHz supporting Hyper-Threading Technology, and up to 8GB DDR SDRAM, the general-purpose Dell PowerEdge 1750 server provides exceptional performance. Hyper-Threading Technology enables one physical processor to appear as two logical processors, allowing multiple tasks to run simultaneously in certain application environments for increased performance and response times, while Dell's implementation of the ServerWorks® GCLE chipset supports five peer PCI buses for maximum I/O throughput.

The embedded dual-channel Ultra 320 SCSI controller provides a high-speed 320MB/s interface between the I/O bus and hard drives. And 133MHz PCI-X slots on separate PCI buses further increase I/O performance. The PowerEdge 1750 also provides keyboard, video and mouse (KVM) ports on the front of the chassis for easy accessibility.

Designed for configuration and application flexibility in a 1U form factor, the server is ideal for infrastructure uses such as domain controllers, directory services, DNS, DHCP, and File/Print. It is also a perfect choice for edge-of-network applications such as web server, caching and load balancing, as well as high-performance computing clusters (HPCC), server-based computing and collaborative or messaging solutions. And the PowerEdge 1750 gives you this rich set of features at an incredible price.

## High Availability

Having your server up and running continuously is a critical factor to success in any organisation. The PowerEdge 1750 server addresses high-availability requirements with optional hot-plug redundant power. The server also features optional dual-channel RAID on the motherboard (ROMB) with battery-backed cache that enables support for up to three hot-plug SCSI hard drives. The battery-backed cache allows data to be written to a disk in the event of power loss. This RAID implementation features a high performance I/O processor based on Intel XScale™ technology for fast data throughput and also supports external storage.

## Flexible Expandability

The PowerEdge 1750 server is built to grow as your needs do. It is scalable: up to 8GB of 266MHz DDR SDRAM enables you to increase server memory as your application demands increase. With up to three one-inch U320 SCSI hard drives, the server allows as much as 438GB of internal drive capacity. And an open 64-bit 133MHz PCI-X slot allows you to expand system functionality by adding a PCI card.

## Easy Manageability

Robust management features make the PowerEdge 1750 server simple to operate. The system supports an Embedded Remote Access option (ERA/O) so you can easily manage remote servers from a centralised location. Dell OpenManage™ Server Administrator, Dell OpenManage IT Assistant and Dell Server Assistant tools help you easily deploy, update and manage your systems.

The rich feature set of the Dell PowerEdge 1750 server offers edge-of-network, infrastructure, server-based computing and high-performance compute cluster environments a high-performance, highly available and manageable server in a rack-dense 1U form factor.



Dell PowerEdge 1750

Exceptional performance. Easy as **DELL™**

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## FEATURES

## DESCRIPTION

<b>Processor</b>	Dual Intel® Xeon™ (up to 3.0GHz) supporting Hyper-Threading Technology
<b>Front side bus</b>	400MHz
<b>Cache</b>	512KB Level 2 ECC cache (full speed)
<b>Chipset</b>	ServerWorks® GC LE with five peer PCI buses for maximum I/O throughput
<b>Memory (min/max)</b>	512MB/8GB of 266MHz DDR SDRAM
<b>I/O slots</b>	Two slots on separate buses: 2 x 64-bit/133MHz PCI-X (One Available) or 1 x 64-bit/133MHz PCI-X (Occupied) and 1 x 64-bit/33MHz PCI (Available)
<b>Network Interface Card</b>	Intel PRO/1000 XT Gigabit <sup>®</sup> NIC (Occupies a slot)
<b>Embedded controller</b>	Integrated dual-channel Ultra 320 SCSI
<b>Hard drive bays</b>	Three 1" hot-plug SCSI
<b>Maximum internal storage</b>	438GB U320 SCSI
<b>Video</b>	On-board
<b>RAID</b>	Dual channel ROMB (PERC 4/Di) with battery backup and 128MB cache powered by the Intel 10P321 I/O processor (400MHz) based on Intel XScale™ technology.
<b>Remote management</b>	Embedded Remote Access Option (ERA/O)
<b>Availability</b>	Hot-plug hard drives ECC memory, Spare Row Memory, Chip Kill Hot-plug, redundant power (optional) Embedded RAID with battery-backed cache (optional)

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