

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 up to 3.2GHz dual Intel® Xeon™ processors 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 increases I/O performance. The PowerEdge 1750 also provides front accessible 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 is priced to give you this rich set of features at an incredible value.

High Availability

Having your server up and running continuously is a critical factor to success in any organization. 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 a 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 enabling 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. Two 64-bit 133MHz PCI-X slots allows you to expand system functionality by adding PCI cards.

Easy Manageability

Robust management features make the PowerEdge 1750 server simple to operate. The system supports an Embedded Remote Access option (ERA/O) that provides remote management so you can easily manage remote servers from a centralized 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.



PowerEdge 1750

Exceptional performance. Easy as **DELL™**

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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. Whether you need professional consulting, training and certification, deployment, or support services, Dell promises to be your single point of accountability at all times.

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Dell Professional Services enables Dell customers to optimize ROI by leveraging complex technology through the design, development and deployment of innovative, robust and scalable business-critical solutions. With each engagement, we utilize our proven methodology and project management expertise to understand your business objectives, design plans that are flexible to adapt to your current environment and then deliver the desired results.

Deployment Services

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

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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, on-line or in a classroom setting, to help your organization take full advantage of information technology.

Enterprise Support Services

Technology is a significant investment, and it pays to have a partner who can help you minimize costly downtime. Through our Enterprise Support Services offerings, Dell provides tiered support service packages with the flexibility to customize the offering to meet your specific needs across a wide range of computing environments. With proactive and reactive support options which include hardware and software support with varied response levels, account management, and remote resolution, Dell provides support solutions that meet your needs, cost effectively.

FEATURES	DESCRIPTION
Processor	Dual Intel® Xeon™ (up to 3.2GHz) supporting Hyper-Threading Technology
Front side bus	533MHz
Cache	512KB Level 2 ECC cache (full speed), 1MB and 2MB L3 (selected processors)
Chipset	ServerWorks® GC LE w/ five peer PCI buses for maximum I/O throughput
Memory (min/max)	256MB/8GB of 266MHz DDR SDRAM
I/O slots	Two slots on separate buses: 2 x 64-bit/133MHz PCI-X or 1 x 64-bit/133MHz PCI-X and 1 x 64-bit/33MHz PCI
Embedded NIC	Dual Gigabit¹ Broadcom NICs
Embedded controller	Integrated dual channel Ultra 320 SCSI
Hard drive bays	Three 1" hot-plug SCSI
Maximum internal storage	438GB U320 SCSI
Video	On-board
RAID	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; Optional PERC4/SC and PERC4/DC RAID adapters.
Remote management	Embedded Remote Access Option (ERA/O)
Availability	Hot-plug hard drives ECC memory, Spare Row Memory, Chip Kill Hot-plug, redundant power (optional) Embedded RAID w/ battery backed cache (optional)

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¹ This term indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 GB/s. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

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