Dell PowerEdge 750

The Dell™ PowerEdge™ 750 server is designed to bring excellent performance, expandability and deployment flexibility to organizations that must deploy multiple integrated servers in a minimum amount of space at a low cost.

Performance

The PowerEdge 750 server supports the Intel® Pentium® 4 processor with up to 3.4GHz compute power or an Intel Celeron® processor with 2.4GHz, and is designed to provide excellent single-processor server performance in the Dell rack-dense 1U form factor. The Pentium 4 processor features an 800MHz front side bus while the Celeron includes a 533MHz front side bus and gives users a low cost alternative for enhanced deployment flexibility. Additionally, the PowerEdge 750 server, when equipped with the Pentium 4 processor can take advantage of Hyper-Threading technology that optimizes processor resources, and can help to improve performance.

The PowerEdge 750 features DDR-400MHz memory modules and dual channel memory architecture, which help speed access to memory[1]. The PowerEdge 750 server includes support for two SCSI hard drives as well as two Serial ATA hard drives, the latest advancement in ATA hard drive technology. The PowerEdge 750 server also provides outstanding availability features for reliable data protection. In addition to dual embedded Gigabit[2] Network Interface Cards (NICs) that provide fail-over support and maximize I/O throughput, the system includes ECC memory that corrects single bit errors to help provide higher levels of system uptime.

Expandability

The PowerEdge 750 server is highly expandable so that you can select the level of server performance you require today and feel confident the support you need will be there as your needs grow in the future. It offers up to 4GB of DDR-400MHz SDRAM memory for high bandwidth and low latency. It also provides your choice of up to 2 x 1-inch non-hot-plug SATA or U320 SCSI hard drives. And the server features two PCI slots that enable you to expand the functionality of your system by adding PCI cards such as RAID controllers, remote management card or additional NICs. What's more, the slots are on separate PCI buses for maximum performance.

Manageability and Serviceability

Available with many easy management options, the PowerEdge 750 server is simple to implement and use in your environment. It offers the DRAC III/XT adapter, which provides remote management capabilities that allow you to access, reboot, power on/off and upgrade your system remotely. It also features Dell OpenManage™ IT Assistant, which, with an intuitive browser-based application, helps make managing your client systems from a single location simple. Plus, Dell Server Assistant makes it easy to set up your PowerEdge server.

Designed from the ground up to take advantage of the latest server technology developments, the PowerEdge 750 server offers outstanding price/performance with the right balance of server features and processing power in a highly expandable format.

Additionally, the Dell PowerEdge 750 server is simple to service. Its tool-less chassis allows you to access the internal system components hassle-free. The bi-color system LED helps you quickly identify a server problem in a rack full of servers while the System Identification button on the rear of the chassis makes it easy to locate a system.

The PowerEdge 750 1U rack-dense server is an ideal solution for edge of network applications, network infrastructure applications and single function applications. It delivers great single-processor performance and manageability while offering outstanding expandability.

PowerEdge 750

Dell PowerEdge 750 Server

DELL ENTERPRISE SERVICES

By utilizing 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. By doing so, we offer a combination of bundled best practices and tailored solutions that work together to provide maximum value to you. Whether you need support, deployment, training and certification programs, or professional consulting services, individually or bundled as a total package, Dell promises to be your single point of accountability at all times.

Professional Services

Dell Professional Services enables Dell customers to optimize ROI by utilizing 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.

Training and Certification

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 Premier Enterprise Support Services (PESS) 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.

Services vary by region. For more information on the available services in your area, please visit www.dell.com.

FEATURES	DESCRIPTION
Processors	Single Intel® Pentium® 4 processor (up to 3.4GHz/800MHz) or single Intel Celeron® processor (2.4GHz)
Cache	Up to 1MB L2 cache for Pentium 4; 128K L2 cache for Celeron
Chipset	Intel 7210 Support for dual channel memory
Front Side Bus	800MHz P4, 533MHz Celeron
I/O Channels	4 total: 1 x 64-bit/66MHz PCI-X slot, 1 x 32-bit/33MHz PCI slot, dual embedded Gigabit NICs
Starting/Maximum Memory	256MB/4GB DDR-400MHz SDRAM
Availability	ECC memory; Optional SATA and SCSI RAID solutions, Tool-less chassis
Internal Storage	2 x 1" SATA or SCSI drives (40/80/120/250GB SATA @7200RPM or 36/73/146 @10K RPM 36/73GB @15K U320 SCSI)
Internal Storage Performance	10K/15K RPM SCSI drives; 7200 RPM SATA drives
External Hard Drive Storage	PowerVault™ 22XS
Embedded SCSI	N/A
RAID support	Optional CERC SATA, PERC 4/SC, PERC 4/DC adapters
Tape Support	Internal: N/A External: PowerVault 112T, PowerVault 114T and PowerVault 122T
Video	Embedded ATI Rage XL with 8MB memory
Networking	Dual embedded Intel Gigabit NIC, Intel PRO/100S; Intel PRO/1000 MT; Intel PRO/ 1000MT Dual Port
High Availability Clustering	No
Chassis	Tool-less access
Power Supply	1 x 280W non-redundant
Remote Management	DRAC III/XT (optional)
Systems Management	OpenManage support
Rack Support	Stationary (non-sliding) tool-less and easy to mount Rapid Rails. Support for 4-post (Dell rack), 2-post center mount, and 2-post flush mount, and 3rd party VersaRails. Provides Velcro cable management tie straps for cable management (no CMA).

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