

DELL™ POWEREDGE™ 840 SERVER



Ideal for remote offices and small businesses, the Dell™ PowerEdge™ 840 server delivers advanced features at an affordable price.

FLEXIBLE PERFORMANCE

Whether you are a small business, a retailer with multiple locations, or a large organization with remote offices, you have unique requirements. The Dell PowerEdge 840 server gives you a choice of processing power so that your server can deliver what you need.

For optimum performance and multiple applications, the PowerEdge 840 supports the Dual-Core Intel® Xeon® 3000 Sequence Processors with new dual-core technology that combines two processing cores into a single processor chip. It is a great general-purpose server for small workgroup applications such as messaging and providing shared Internet access and Web serving to employees. The dual core processing power can result in dramatic increases in performance and power efficiency compared to single core processors.

If you need exceptional performance at a value price, the Intel Pentium® is perfect for single application environments. And for simple file and print tasks, the PowerEdge 840 server equipped with the entry-priced Intel Celeron® processor provides the right fit for your organization.

RELIABILITY AND AVAILABILITY

Keeping your server operating at its best is an important part of a cost-effective solution. The PowerEdge 840 server is built to help ensure maximum uptime and data protection. Front access SAS or SATA hard drives simplify switching drives with minimum downtime, an especially convenient feature for point-of-sale environments that need to update pricing databases. And the hot-plug SAS/SATA RAID arrays mean that if a drive fails, server usage can continue.

Moreover, the PowerEdge 840 server is compatible with high capacity tape backup and external storage solutions for dependable data protection and availability. It can support either IDE or SCSI internal tape backup units, external SCSI tape, and direct attach storage systems.

EASY REMOTE AND LOCAL MANAGEABILITY

Server management across long distances can compromise overall efficiency and cost-effectiveness. The PowerEdge 840 server is specifically designed to give IT managers exceptional local and remote management capabilities. The server comes equipped with comprehensive management tools that can help reduce hands-on maintenance and cost of ownership.

Dell Server Assistant provides easy setup, operating system installation and configuration functions, while the Dell OpenManage™ IT Assistant Suite helps ensure simple manageability for the life of your server. And the Dell Remote Access Card (DRAC) makes remote access, monitoring, and troubleshooting easier than ever.

Stay focused on running your business rather than your server by letting Dell do the work for you. Dell Services offers pre-installed operating systems, Custom Factory Integration for pre-configured hardware and software, and Server Installation Service at your site.

The PowerEdge 840 server gives small businesses and remote offices a flexible, affordable, reliable, and easy-to-manage solution.



ABOUT DELL GLOBAL SERVICES

Dell Global Services simplify the management of your IT environment so you get up and running quickly, with lower deployment costs, fewer hassles, and less time spent on non-strategic tasks. You pay only for the services you need, gain instant access to the latest innovations without additional infrastructure investment, and take your business from maintenance to momentum.

Many IT services today are outdated, expensive, inflexible and people-intensive. As a result, businesses can be burdened with lengthy contracts, trapped in old technology and spending much more than is necessary just to keep the lights on. Dell is changing all of that by integrating cutting edge technologies into our products and global service infrastructure to forever change the way services are delivered, purchased and managed. Tapping directly into Dell's world-class capabilities, resources and platform in this way will make it easier to reclaim valuable IT time and resources.

Many of the service investments Dell has made are available through or in conjunction with Dell's global network of PartnerDirect channel partners. For more information please visit www.dell.com/services or contact your local Dell PartnerDirect Registered partner.

FEATURES	DELL™ POWEREDGE™ 840 SERVER
Form Factor	Tower only
Processors	Dual-Core Intel® Xeon® processor 3000 Sequence Intel Pentium® processor Intel Celeron® processor
Processor Sockets	1
Front Side Bus or HyperTransport	Up to 1066 MHz
Cache	Up to 4MB
Chipset	Intel 3000
Memory	512MB-8GB DDR-2 533/667 ECC SDRAM
I/O Slots	Five total: two PCI Express™ slots (1x8 lane and 1x1 lane); two PCI-X® slots (64-bit/133MHz, 3.3v); one PCI slot (32-bit/33MHz)
Drive Controller	Embedded SATA; optional SAS
RAID Controller	SAS 6iR, PERC 6i, SAS 5/iR, PERC 5/i w/ battery, PERC 5/E
Drive Bays	4 x 3.5" cabled or front access/hot plug SATA or SAS Hard Drive Bays 1 x 5.25" optional CD/DVD-ROM, CD-RW/DVD combo, DVD, DVD RW 1 x 5.25" optional half-height internal TBU 1 x 3.5" floppy
Maximum Internal Storage	4.0TB (4x1.0TB) SAS 4.0TB (4x1.0TB) SATA
Hard Drives¹	3.5" SAS (10k rpm): 73GB, 146GB, 300GB, 400GB; 3.5" SAS (15k rpm): 73GB, 146GB, 300GB, 450GB; 3.5" SATA (7.2k rpm): 160GB, 250GB, 500GB, 750GB, 1.0TB
Network Interface Cards	Single embedded Broadcom Gigabit ² NIC; Optional dual port Intel x4 PCIe Gigabit ² NIC; Optional single port Intel PCIe Gigabit ² NIC; Optional Broadcom x1 PCIe Gigabit ² Optional Broadcom x4 PCIe Gigabit ² NIC w/ TOE
Power Supply	420W non-redundant, auto sensing
Availability	DDR2-533/667 ECC memory; hot-plug SAS or SATA
Video	Embedded ATI ES1000 with 16MB memory
Remote Management	Standard BMC with IPMI 1.5 support; optional DRAC 4/p for advanced capabilities
Systems Management	Dell™ OpenManage™
Rack Support	3rd party only
Operating Systems	Microsoft Windows® Storage Server 2003 R2 Microsoft Windows Server 2008 w/ Hypervisor Microsoft Windows Server 2008 Foundation Microsoft Windows Server 2008 Small Business Server Windows 2003 SBS Standard and Premium Red Hat® Enterprise Linux® ES v3, v4 IA32, v4 for EM64T, 5.3 Novell SUSE® Linux ES9 Novell SUSE® Linux ES10
Embedded Hypervisor	NA

¹For hard drives, GB means 1 billion bytes and TB means 1 trillion 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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