

## DELL POWEREDGE 840 SERVER



**Ideal for remote offices  
and small businesses,  
the Dell™ PowerEdge™ 840  
tower 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 tower 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 new Quad-Core Intel® Xeon® 3200 Series Processors with new quad-core technology that combines four 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 quad-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 Dual-Core Xeon 3000 series is perfect for single application environments. And for simple file and print tasks, the PowerEdge 840 server equipped with the entry-priced Intel Celeron® D 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.



Dell PowerEdge 840





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## DELL IT INFRASTRUCTURE SERVICES

Dell brings pure execution to IT Services. The planning, implementation and maintenance of your IT infrastructure deserves nothing less. Variability in execution can compromise user productivity, IT resources and ultimately, your reputation. By leveraging our heritage of process driven excellence, Dell Services can deliver a smarter way.

We don't claim to do everything. We focus on IT infrastructure services. And we take a customer led approach, grounded in the philosophy that you know your business better than anyone. That's why Dell does not try to take key business decisions out of your hands, or lock you into more than you need. Instead, we apply our world-class process management and "no excuses" culture to deliver what customers today most need – flexibility and repeatable quality. That's absolute execution. That's Dell.

### Assessment, Design and Implementation Services

IT departments are continually challenged to evaluate and implement new technologies. Dell's assessment, design and implementation services can restructure your IT environment to enhance performance, scalability and efficiency while helping to maximize your return on investment and minimize disruption to your business.

### Deployment Services

System deployment is a necessary evil that plagues nearly every organization. You must deploy new systems to help improve performance and meet user demand. With Dell's deployment services, we help simplify and speed up the deployment and utilization of new systems to maximize uptime throughout your IT environment.

### Asset Recovery and Recycling Services

Proper disposal, reselling and donation of computer equipment is a time-consuming task that typically falls to the bottom of many IT to-do lists. Dell simplifies the end of life processes for IT equipment in a way that can maximize value for customers.

### Training Services

Arm your employees with the knowledge and skills they need to be as productive as possible. Dell offers comprehensive training services which include hardware and software training, as well as PC skills and professional development classes. With Dell training you can help improve system reliability, maximize productivity and reduce end user requests and downtime.

### Enterprise Support Services

With Dell, you can get maximum performance and availability of your Dell server and storage systems. Our Enterprise Support services offer proactive maintenance to help prevent problems as well as rapid response and resolution of problems when they do occur. We have built a robust global infrastructure that offers multiple levels of enterprise support for systems throughout your infrastructure.

To help you get the most from your Dell systems, visit [www.dell.com/services](http://www.dell.com/services).

Services vary by region.

[www.dell.com](http://www.dell.com)

## FEATURES DELL™ POWEREDGE™ 840 SERVER

<b>Form factor</b>	Tower only
<b>Processors</b>	Single Quad-Core Intel® Xeon® 3200 Series Processor at up to 2.66 GHz; Single Dual-Core Intel® Xeon® 3000 Series Processor at up to 2.66 GHz; Single Intel® Celeron® D processor at up to 2.0 GHz
<b>Front side bus or HyperTransport</b>	Quad-Core Intel® Xeon® 3200 series: 1066MHz Dual-Core Intel® Xeon® 3000 series: 1066MHz Intel® Celeron® D: 800MHz
<b>Cache</b>	Quad-Core Intel® Xeon® 3200 series: 2x4MB cache Dual-Core Intel® Xeon® 3000 series: up to 4MB cache Intel® Celeron® D: 512K cache
<b>Chipset</b>	Intel 3000
<b>Memory</b>	512MB-8GB DDR-2 533/667 ECC SDRAM
<b>Hard drives<sup>1</sup></b>	3.5" SAS (10k rpm): 73GB, 146GB, 300GB; 3.5" SAS (15k rpm): 36GB, 73GB, 146GB; 3.5" SATA (7.2k rpm): 80GB, 160GB, 250GB, 500GB, 750GB
<b>Maximum internal storage</b>	Up to 1.2TB: four 300GB cabled or hot-plug SAS (10K rpm); Up to 584GB: four 146GB cabled or hot-plug SAS (15K rpm); Up to 3TB: four 750GB cabled or hot-plug SATA (7.2K rpm)
<b>Drive bays</b>	4 x 3.5" cabled or front access/hot plug SATA or SAS 1 x 5.25" optional CD, CD/DVD-ROM, CD-RW/DVD combo 1 x 5.25" optional half-height internal TBU 1 x 3.5" floppy
<b>I/O slots</b>	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)
<b>Drive controller</b>	Embedded SATA; optional SAS
<b>RAID controller</b>	SAS 5i/R, PERC 5/i w/ battery, PERC 5/e
<b>External storage</b>	PowerVault™ MD1000
<b>Internal/External Tape backup options</b>	TR40 (IDE), DAT72(SCSI), RD1000 (SATA for Internal USB2.0 for External)
<b>Network interface card</b>	Single embedded Broadcom Gigabit <sup>2</sup> NICs; Optional dual port Intel x4 PCIe Gigabit <sup>2</sup> NIC; Optional single port Intel PCIe Gigabit <sup>2</sup> NIC; Optional Broadcom x1 PCIe Gigabit <sup>2</sup> NIC; Optional Broadcom x4 PCIe Gigabit <sup>2</sup> NIC w/ TOE
<b>Power supply</b>	420W
<b>Availability</b>	DDR2-533/667 ECC memory; hot-plug SAS or SATA
<b>Video</b>	Embedded ATI ES1000 with 16MB memory
<b>Remote management</b>	Standard BMC with IPMI 1.5 support; optional DRAC 4/p for advanced capabilities
<b>Systems management</b>	Dell OpenManage™
<b>Rack support</b>	3rd party only
<b>Operating systems</b>	Microsoft Windows® Storage Server 2003 R2 (x64) Express and Workgroup versions, Windows Server® 2003 SBS Standard and Premium; Red Hat® Enterprise Linux® ES v3, v4 IA32, v4 for EM64T; SUSE® Linux ES9 EM64T; SUSE® Linux ES10 EM64T

<sup>1</sup>For 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.

<sup>2</sup>This 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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