

## Dell PowerEdge 830 Server

**Ideal for remote offices  
and small businesses, the  
Dell™ PowerEdge™ 830 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 830 server gives you a choice of processor power so that your server can deliver what you need.

For optimum performance and multiple applications, the PowerEdge 830 supports the Intel® Pentium® D processor with new dual core technology that combines two processing units into a single processor chip. It is a great solution if you are running messaging applications, providing shared Internet access and Web serving to employees, and running productivity applications simultaneously. 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, yet value, the Pentium 4 is perfect for single application environments. For simple file and print tasks, the PowerEdge 830 server equipped with the entry-priced 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 830 server is built to ensure maximum uptime and data protection. EasyExchange SCSI 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 SCSI RAID arrays mean that if a drive fails, server usage can continue.

Moreover, the PowerEdge 830 server is compatible with high capacity tape backup and external storage solutions for dependable data 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 830 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 instead of your server by letting Dell do the work for you. Dell Services includes pre-installed operating systems, Custom Factory Integration, for pre-configured hardware and software and Server Installation Service on your site.

The PowerEdge 830 server gives small businesses and remote offices a flexible, affordable, reliable and easy-to-manage solution.



Dell PowerEdge 830

**GET MORE PERFORMANCE AND VALUE. GET MORE OUT OF NOW.**





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## DELL ENTERPRISE SERVICES

Dell Services can deliver the services you need to realize the full value of your IT investment. Complementing our award-winning products, these IT infrastructure services incorporate operational excellence, accountability and value.

By utilizing our best practices, proven processes and expertise in implementing standards-based technologies, we can help strengthen your IT infrastructure and enable you to adopt evolving technologies. Whether you need support, deployment, asset management, training, certification, planning or professional services – individually or bundled as a total solution – you can count on Dell.

### Strengthening Your IT Infrastructure

Our planning services help integrate your new enterprise hardware into your existing or evolving IT infrastructure. We can provide guidance whether you're adding a single or multiple servers, storage area network or high-performance computing cluster.

We can also help you enhance the overall performance of your IT infrastructure and data center by consolidating software and hardware, developing a business continuity plan and migrating to standards-based technologies.

### Simplifying Deployment

Dell simplifies implementation with comprehensive services that accelerate deployment of new hardware and IT solutions. During the initial system-build of your server, we can customize software and hardware to match your specific requirements. By helping you rapidly deploy new capabilities while minimizing disruptions, we can contribute to improved efficiencies and lower costs.

Our training services provide education and certification courses to help you better manage and use your new hardware so you can reap the full benefits of standards-based technologies.

### Providing Award-Winning Service & Support

Your server and storage infrastructure is central to your business, which is why you need a partner who can help minimize downtime and keep your business-critical systems running efficiently. Our enterprise support services are designed to protect your entire enterprise or to focus on specific systems. These customizable services include hardware and software support with varied response levels, account management and remote resolution.

We can also help you enhance the performance of your data center and provide managed IT solutions and asset management services for your enterprise, desktop and notebook environments.

The Dell Enterprise Command Centers (ECC) – which utilize industry-leading technologies and tools that speed up problem resolution – efficiently route spare parts and direct expert technicians to your site.

Get the most from your new systems. Turn to Dell for the services you need to better plan, implement and maintain your IT infrastructure.

Services vary by region. For more information, please visit [www.dell.com](http://www.dell.com).

## FEATURES Dell™ PowerEdge™ 830 Server

|                                     |   |
|-------------------------------------|---|
| <b>Form factor</b>                  | Tower   |
| <b>Processor(s)</b>                 | Single Intel® Pentium® D (dual core) processor (up to 3.2GHz)<br>Single Intel Pentium 4 processor (up to 3.6GHz)<br>Single Intel Celeron® D processor (2.53GHz)   |
| <b>Front side bus</b>               | 800MHz for Pentium 4; 800MHz for Pentium D; 533 MHz for Celeron   |
| <b>Cache</b>                        | 1MB or 2MB for Pentium 4, two 1MB for Pentium D; 256K for Celeron   |
| <b>Chipset</b>                      | Intel E7230   |
| <b>Memory</b>                       | Up to 8GB DDR2-533/667  |
| <b>I/O channels</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 U160  |
| <b>RAID controller</b>              | CERC SATA 6 channel; PERC4/SC; PERC4e/DC  |
| <b>Drive bays</b>                   | Four cabled SATA or cabled, front access or hot-plug Ultra320 SCSI  |
| <b>Maximum internal storage</b>     | Up to 1TB <sup>1</sup> SATA or up to 1.2TB <sup>1</sup> SCSI  |
| <b>Hard drives<sup>2</sup></b>      | 80GB, 160GB and 250GB (7,200 rpm) SATA<br>73GB, 146GB and 300GB (10,000 rpm) SCSI<br>36GB and 73GB (15,000 rpm) SCSI  |
| <b>Internal storage performance</b> | 10K/15K RPM U320 SCSI drives; 7200 RPM SATA drives  |
| <b>External storage</b>             | Dell PowerVault™ tape or SCSI   |
| <b>Tape backup options</b>          | Dell PowerVault IDE and SCSI solutions  |
| <b>Network interface card</b>       | Single embedded Gigabit <sup>2</sup> ethernet   |
| <b>Power supply</b>                 | 420W  |
| <b>Availability</b>                 | DDR2-533/667 ECC memory; hot-plug SCSI  |
| <b>Video</b>                        | XGI XG20 on motherboard with 16MB memory  |
| <b>Remote management</b>            | Baseboard management controller; optional DRAC/4p   |
| <b>Systems management</b>           | Dell OpenManage™  |
| <b>Rack support</b>                 | 3rd party only  |
| <b>Operating systems</b>            | Windows® 2000 Server, Standard Edition (service pack 4); Windows 2003 Standard Edition, x64 Edition, Small Business Server; Red Hat® Enterprise Linux® ES v3, v4 IA32, v4 for EM64T; Novell® NetWare® v6.5 Pack 3; SUSE® Linux ES9, EM64T |

<sup>1</sup>For hard drives, one TB = one trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

<sup>2</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.

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