

DELL POWEREDGE 860 SERVER



The Dell™ PowerEdge™ 860 server delivers affordable performance to power web and infrastructure applications for organizations of any size.

Rack Dense, Flexible Performance

Datacenter growth has spurred the need for space-conscious servers that can deliver support for applications without taking up valuable square footage. The PowerEdge 860 server's processor options and rack-dense chassis mean that you can pack the right amount of power into a small form factor.

Featuring the Quad-Core Intel® Xeon® 3200 Series Processors, the PowerEdge 860 enables you to experience the benefits of quad-core technology. This new technology combines four processing cores into a single processor chip for exceptional performance and power efficiency. It is ideal for running multiple applications and multi-threaded tasks common in many of today's software applications.

For environments that require less processing capability, the PowerEdge 860 server also supports the Intel Pentium® D processor, which offers a generous price/performance ratio for incredible value. You can also choose the Intel Celeron® D processor for simpler tasks such as file and print applications.

Scalability for Further Flexibility and Investment Protection

The PowerEdge 860 server is designed to be able to grow as your needs grow and as technology evolves. The new high-performance PCI Express™ architecture delivers flexibility and investment protection. The PowerEdge 860 has a choice of two risers – one with x4 (x8 connector) and x8 PCIe slots, a second with one x8 PCIe slot and one PCI-X® 64/133 slot. Plus, dual embedded Gigabit¹ NICs offer high bandwidth network connectivity, I/O traffic load balancing and fail-over for performance and data availability.

Additionally, the server supports up to 8GB of ECC DDR2-533/667 memory and is able to support 64-bit applications so that you can easily take advantage of the latest technology developments. It also supports up to two cabled SATA or SAS hard drives enabling as much as 1TB² of internal storage capacity to meet growing data storage demands.

Easy Manageability and Dell Service Options

Equipped with a complete suite of systems management tools, the PowerEdge 860 server helps you get the most out of your IT resources. OpenManage™ allows you to easily set up and configure your PowerEdge system components and hardware. It also helps streamline operating system installation and delivers Dell optimized and tested drivers, diagnostics, and utilities. The Dell Remote Access Card (DRAC) allows you to access, monitor, troubleshoot, repair, and upgrade servers from virtually anywhere, anytime.

If your IT resources are stretched, let Dell Services handle the setup and installation for you. Dell can pre-install and test your operating system. Or let Dell Custom Factory Integration fully configure and test your hardware and software before it arrives at your site. We can even deploy your server in your environment with our Server Installation Service.



Dell PowerEdge 860

Put the PowerEdge 860 server behind your web and infrastructure applications for exceptional performance, scalability, and manageability in a rack-dense form factor.



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.

Services vary by region.

www.dell.com

FEATURES DELL™ POWEREDGE™ 860 SERVER

Form factor	1U rack
Processors	Single Quad-Core Intel® Xeon® 3200 Series Processor at up to 2.4 GHz Single Dual Core Intel® Xeon® 3000 Sequence processor at up to 2.66GHz; Single Intel® Pentium® D processor at 3.0GHz; Single Intel® Celeron® D processor at 3.33GHz
Front side bus or HyperTransport	Quad-Core Intel® Xeon® 3200 series: 1066MHz Dual-Core Intel® Xeon® 3000 series: 1066MHz Intel® Pentium® D: 800MHz Intel® Celeron® D: 533MHz
Cache	Quad-Core Intel® Xeon® 3200 series: 2x4MB Dual-Core Intel® Xeon® 3000 series: up to 4MB cache Intel® Pentium® D: 2x2MB Intel® Celeron® D: 512K cache
Chipset	Intel 3000
Memory	512MB-8GB DDR-2 533/667 ECC SDRAM
Hard drives²	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
Maximum internal storage	Up to 600GB: two 300GB cabled SAS (10K rpm); Up to 292GB: two 146GB cabled SAS (15K rpm); Up to 1.5TB: two 750GB cabled SATA (7.2K rpm)
Drive bays	2 x 3.5" cabled SATA or SAS 1 x slim type optical
I/O slots	Four total: two Gigabit ¹ embedded NICs plus one of two risers: Riser 1: one PCI-X® slot (64-bit/133MHz); one PCI Express™ slot (1 x 8 lane) Riser 2: two PCI Express slots (1x4 lane with x8 connector and 1x8 lane)
RAID controller	Optional SAS 5i/R or PERC 5/e
External storage	PowerVault™ MD1000
Internal/External Tape backup options	External: PowerVault tape solutions, RD1000
Network interface card	Dual embedded Broadcom Gigabit ¹ NICs 5721J; Optional single and dual port Intel PRO/1000 PT Gigabit adapter (copper); Optional single port, Intel PRO/100S; Optional single and dual port Intel PRO/1000 PT (PCI Express); Optional Broadcom NetXtreme™ Gigabit adapter
Power supply	345W non-redundant
Availability	ECC memory; optional SATA and SAS RAID solutions; tool-less chassis; DRAC 4/p for accessing the system independent of the OS status
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	4 post; 1U rack; tool-less chassis access
Operating systems	Windows Server® 2003 Standard Edition, x64 Edition, Web Edition; Red Hat® Enterprise Linux® ES v3, v4 IA32, v4 for EM64T; SUSE® Linux ES9 EM64T; SUSE® Linux ES10 EM64T

¹ 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.

² For hard drives, GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

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