Dell™ PowerEdge™ 860 Server

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

Rack Dense, Flexible Performance

Datacentre 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 Dual-Core Intel® Xeon® 3000 Sequence Processors, the PowerEdge 860 enables you to experience the benefits of dual core technology. This new technology combines two 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 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 Gigabit[1] 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 1TB[3] 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 setup and configure your PowerEdge system components and hardware. It also helps streamline operating system installation and delivers Dell optimised 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.

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

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Enterprise Support Services Suite
Robust, flexible support for server and storage systems

In today's environment, businesses need smooth and continuous running of their advanced server and storage systems. Maximum uptime is crucial. As an IT professional, you can rely on us for your success. Dell's Enterprise Support Services can help you to:

• eliminate problems before they happen,
• prepare in advance for any elevated IT demands,
• provide the flexibility to match support to the different needs of various end users and applications environments and
• most importantly smartly balancing quality and costs for your organisation.
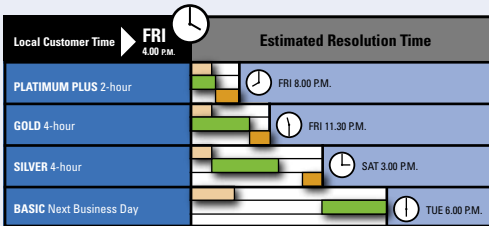
Choose the Level of Support That's Right for You

Dell offers "best-of-breed" Enterprise Support services at varying levels to help you strike just the right balance between maximum uptime and its associated cost. You can choose a plan that best fits your needs. And thanks to a new, unrivaled foundation we call the Dell ServiceSystem™, you will be backed by innovative best-practice resources.

Platinum Plus Enterprise Support: Dell's most comprehensive level of support. Customised account planning and reporting to proactively improve uptime.

Gold Enterprise Support: Provides rapid resolution of critical issues including escalation management and on-site[4] Emergency Dispatch procedures.

Silver Enterprise Support: Provides convenient 7x24 phone access for hardware and core software troubleshooting with 4-hour 7x24 on-site[4] services following completion of phone-based troubleshooting.

Local Customer Time	FRI 4.00 P.M.	Estimated Resolution Time
PLATINUM PLUS 2-hour		FRI 8.00 P.M.
GOLD 4-hour		FRI 11.30 P.M.
SILVER 4-hour		SAT 3.00 P.M.
BASIC Next Business Day		TUE 6.00 P.M.

☐ Phone troubleshooting
☐ On-site[4] response time and hardware repair
☐ Operating system and database recovery

Features	Dell™ PowerEdge™ 860 Server
Form factor	1U rack
Processors	Single Dual Core Intel® Xeon® 3000 Sequence processor at up to 2.66GHz; Single Intel Pentium® D processor at 2.8GHz; Single Intel Celeron® D processor at 2.8GHz
Front side bus	1066MHz for Intel Xeon 3000 sequence; 800MHz for Intel Pentium D; 533MHz for Intel Celeron D
Cache	Up to 4MB L2 cache for Intel Xeon 3000 sequence; 2 x 2MB L2 cache for Intel Pentium D; 256K L2 cache for Intel Celeron D
Chipset	Intel 3000
Memory	512MB-8GB DDR-2 533/667 ECC SDRAM
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
Drive bays	2 x 3.5" cabled SATA 1 x slim type optical
Maximum internal storage	Up to 600GB[2]: two 300GB[2] cabled SAS (10K rpm); Up to 292GB[2]: two 146GB[2] cabled SAS (15K rpm); Up to 1TB[3]: two 500GB[2] cabled SATA (7.2K rpm)
Hard drives	3.5" SAS (10k rpm): 73GB[2], 146GB[2], 300GB[2]; 3.5" SAS (15k rpm): 36GB[2], 73GB[2], 146GB[2]; 3.5" SATA (7.2k rpm): 80GB[2], 160GB[2], 250GB[2], 500GB[2]
External storage	PowerVault™ MD1000
Tape backup options	External: PowerVault tape solutions
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 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

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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; actual capacity varies with preloaded material and operating environment and will be less.
3 For hard drives, one TB = one trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
4 Technician, replacement part or unit (depending on service contract) will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions (on site and/or next business day service not available in some locations) and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned or paid for. Replacements may be refurbished.

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

Visit **www.dell.com/ap** for more information.