

DELL™ POWEREDGE™ 2950 III SERVER



The rack-optimised, Intel-based, two-socket 2U Dell PowerEdge 2950 III server delivers a balance of performance, availability and flexibility for organisations of any size.

START YOUR SEARCH WITH THIS SERVER

Whether your biggest challenge is power and cooling, information security or application performance, the general purpose PowerEdge 2950 III is a great place to start your search for a high-availability rack server.

Customers as large as Google™ and as small as a corner grocery store have found that this versatile platform offers an optimal balance between size and capability. In response to customer requests, Dell has updated this server with a host of features that help customers to optimise energy use, improve security and boost performance.

The server can be used for a wide variety of purposes. For example, it works excellently as a messaging, database or network infrastructure server. The server also does very well as a video streaming, virtualisation or web server.

CHOOSE SERVICES, SOLUTIONS AND SPECIFICATIONS

To customise your server today, talk to your account manager or visit dell.com. For example, you have the freedom to choose either up to eight high-performance 2.5" or up to six low-cost 3.5" hard drives depending on what you've decided to standardise on. Then choose from the industry's widest variety of complementary hardware, software and external storage solutions.

If you are implementing unified messaging, database or storage, look at one of our corresponding solutions that leverage this server. Whether you are setting up one or thousands, the Dell services team stands ready to help. Regardless, you can trust that each server will be fully assembled and tested before we ship it directly to you.

RELY ON DELL FOR THE LATEST PROVEN TECHNOLOGIES

To help conserve energy, which is good for your budget as well as the planet, Dell was the first Tier 1 server vendor to offer a line of power-optimised servers, including the PowerEdge Energy Smart 2950. Now we are beginning to migrate components from these servers into our mainstream servers. We also have introduced real-time power monitoring in the server (not the PDU) based on the PMbus industry standard.

As reliance on computerised information has grown, so have threats related to its security. The latest PowerEdge servers are the most secure servers yet. To protect the confidentiality, integrity and availability of data, Dell has included a variety of features, such as a Trusted Platform Module (TPM), more features within the lockable chassis and new RAID controller cards that protect against the failure of two drives.

We offer the latest proven technology, such as a pair of quad-core Intel® Xeon® processors and a variety of network interface options. Together, these components are designed to dramatically boost performance.

Dell knows that the management of technology often costs more than the technology itself. So we've worked to include many features to simplify the task. Whether you want to work locally using USB flash drives or DVDs⁵ or remotely via Wake-on-LAN or iSCSI boot, these servers offer greatly improved flexibility. Finally, the PowerEdge Behavioral Specification can simplify management by enforcing consistency in user interaction and hardware layout.

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-site⁴ Emergency Dispatch procedures.

Silver Enterprise Support:

Provides convenient 7x24 phone access for hardware and core software troubleshooting with 4-hour 7x24 on-site⁴ services following completion of phone-based troubleshooting.

FEATURES	DELL™ POWEREDGE™ 2950 III SERVER
Form Factor	2U rack
Processors	Up to two quad-core or dual-core Intel® Xeon® 5400, 5300, 5200 ⁶ or 5100 series standard or low-volt processors at up to 3.16GHz
Front Side Bus or HyperTransport™	1066 MHz or 1333 MHz Front Side Bus (FSB) (depending on the processor chosen)
Cache	Intel® Xeon® 5400: 2x6MB; Xeon® 5300: 2x4MB; Xeon® 5200 ⁶ : 6MB; Xeon® 5100: 4MB
Chipset	Intel® 5000X
Memory¹	Up to 32GB (8 FBD DIMM slots): 512MB/1GB/2GB/4GB 667MHz Fully Buffered DIMMs (FBD) in matched pairs
Hard Drives²	2.5" SAS (10K rpm): 73GB or 146GB or 2.5" SAS (15K rpm): 36GB or 73GB or 3.5" SAS (10k rpm): 300GB, 400GB or 3.5" SAS (15k rpm): 73GB, 146GB, 300GB or 3.5" SATA (7.2k rpm): 160GB, 250GB, 500GB, 750GB, 1TB Mixed SAS/SATA supported in matched pairs
Max. Internal Storage²	Up to 6TB via six 3.5" 1TB hot-plug SATA hard drives
Drive Bays⁵	3 hard drive base options: 8 x 2.5" Hard Drive Option: 2.5" HD Option: up to 8 SAS HDs (10K/15K); 4 x 3.5" Hard Drive Option: 3.5" HD Option: up to 4 SAS (10K/15K) or SATA (7.2K) drives; 6 x 3.5" Hard Drive Option: 3.5" HD Option: up to 6 SAS (10K/15K) or SATA (7.2K) drives; Peripheral bay options; Floppy Drive, DAT72 Tape Drive (not available with 6 x 3.5" hard drive base); Slim optical drive bay with choice of CD-ROM, DVD-ROM or Combo CD-RW/DVD-ROM
I/O Slots	3 PCI slots: either PCIe riser with 3 PCI Express slots [one x4 (x8 connector) and 2 x8] or 2 PCI-X 64-bit/133MHz and 1 PCI Express x8 slot
RAID Controller	Optional PERC integrated SAS/SATA daughtercard controller or adapter
External Storage	Dell Disk Storage Arrays, Dell Tape Automation, Tape Drives and Removable Disk, Dell NAS systems and Dell SANs.
Internal/External Tape Backup Options	Internal: PV100T (DAT 72) with multibay External: PowerVault™ DAT 72, 110T, 114T, 122T, 124T, ML6000, TL2000 and TL4000
Network Interface Card³	Dual embedded Broadcom® NetXtreme II™ 5708 Gigabit Ethernet NIC with fail-over and load balancing. TOE (TCP/IP Offload Engine) supported on Microsoft® Windows® Server™ 2003, SP1 or higher with Scalable Networking Pack. Supports many optional single-, dual-, or quad- port 10baseT, copper, or optical add-in NICs
Power Supply	Single or redundant 750W hot-plug auto-switching 110/220V AC or redundant hot plug -48-60V 20A DC power supplies
Availability	Hot-plug hard drives, redundant power, redundant cooling; ECC, Spare Row, SDDC memory; PERC6/i integrated daughtercard with battery-backed 256MB DDR2 cache High availability failover cluster support DRAC 5/i; Support for internal tape device; Tool-less chassis; Cluster support; Battery-backed ROMB (express)
Video	Embedded ATI ES1000 with 16MB memory
Remote Management	Baseboard Management Controller with IMPI 2.0 support; optional DRAC5 (advanced capabilities)
Systems Management	Dell™ OpenManage™
Rack Support	Supports 4-post (Dell rack), 2-post and 3rd party Versa rails, sliding rails & cable management arm
Operating Systems	Microsoft® Windows® Server Red Hat® Linux® Enterprise Novell® Netware® Novell® SUSE Linux VMware® Virtual Infrastructure

¹ The total amount of usable memory available will be less, depending on the actual system configuration. To utilise more than 4GB of memory requires a 64-bit OS.

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

³ 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.

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.

⁵ The DVD region code can be changed up to 5 times and will then be locked so that it plays only DVD movies from the final region code selected.

⁶ Available in February 2008.

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