

DELL™ POWEREDGE™ 2950 III SERVER



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

PERFORMANCE MEETS EASE OF USE

Dell's most versatile server, the PowerEdge 2950 III offers superior 2-socket virtualization performance combined with factory-integrated virtualization capabilities. Dell continues to Simplify Virtualization by streamlining virtualization deployment and providing ease of use in virtual infrastructures. By factory integrating VMware® ESXi 3.5, customers receive VMware capabilities and migration of virtual machines within a few clicks of a mouse.

Our virtualization-ready server configurations provide an easy path to virtualization through factory-integrated hypervisors and recommended hardware configurations that support an ideal virtual infrastructure.

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 optimize energy use, improve security, and boost performance.

The PowerEdge 2950 III 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, virtualization, or Web server.

CHOOSE SERVICES, SOLUTIONS, AND SPECIFICATIONS

To customize 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 standardize 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 the PowerEdge 2950 III. Whether you are setting up one or thousands, the Dell services team stands ready to help. 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-optimized 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 computerized 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 DVDs, 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.

DELL IT INFRASTRUCTURE SERVICES

Dell brings pure execution to IT Services. The planning, implementation, and maintenance of your IT infrastructure deserve nothing less. Variability in execution can compromise user productivity, IT resources and, ultimately, your reputation. By utilizing 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 need most—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 can simplify 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 from 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.

FEATURES	DELL™ POWEREDGE™ 2950 III SERVER
Form Factor	2U rack
Processors	Up to two quad-core or dual-core Intel® Xeon® 5400, 5300, 5200, or 5100 series standard or low-volt processors at up to 3.16 GHz
Front Side Bus or HyperTransport	1066 MHz or 1333 MHz Front Side Bus (FSB) (depending on the processor chosen)
Cache	Intel Xeon 5400: 2x6 MB; Xeon 5300: 2x4 MB; Xeon 5200: 6 MB; Xeon 5100: 4 MB
Chipset	Intel 5000X
Memory	Up to 64 GB (8 FBD DIMM slots): 512 MB/1 GB/2 GB/4 GB/8 GB; 667 MHz Fully Buffered DIMMs (FBD) in matched pairs
Hard Drives¹	2.5" SAS (10 K rpm): 36 GB, 73 GB, 146 GB 2.5" SAS (15 K rpm): 36 GB or 73 GB 3.5" SAS (10 K rpm): 146 GB, 300 GB, 400 GB 3.5" SAS (15 K rpm): 73 GB, 146 GB, 300 GB, 450 GB 3.5" SATA (7.2 K rpm): 160 GB, 250 GB, 500 GB, 750 GB, 1 TB Mixed SAS/SATA supported in matched pairs
Max. Internal Storage	Up to 6 TB via six 3.5" 750 GB hot-plug SATA hard drives
Drive Bays	3 hard drive base options: 8 x 2.5" Hard Drive Option: 2.5" HD Option: up to 8 SAS HDs (10 K); 4 x 3.5" Hard Drive Option: 3.5" HD Option: up to 4 SAS (10 K/15 K) or SATA (7.2 K) drives; 6 x 3.5" Hard Drive Option: 3.5" HD Option: up to 6 SAS (10 K/15 K) or SATA (7.2 K) 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, VD-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/133 MHz 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, 132T, 136T, 160T, ML6000, TL2000, and TL4000
Network Interfaces	Dual embedded Broadcom® NetXtreme II™ 5708 Gigabit Ethernet NIC with fail-over and load balancing. TOE (TCPIP 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 110/220VAC 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 256 MB 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 16 MB 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 third-party Versa rails, sliding rails, and cable management arm
Operating Systems	Microsoft® Windows® Server Microsoft® Windows® Storage Server Red Hat® Linux® Enterprise Novell® Netware® Novell® SUSE Linux VMware® Virtual Infrastructure

¹For 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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