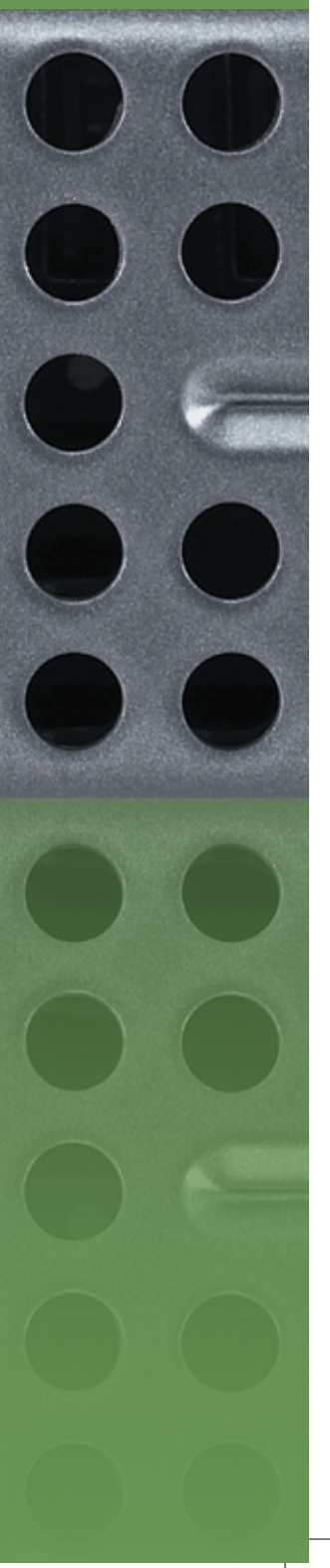
DELL™ POWEREDGE™ 1950 III SERVER



The rack-optimized, Intel-based, two-socket 1U Dell PowerEdge 1950 III server delivers the right combination of computing power and availability for organizations who seek rack density.

GO RACK-DENSE WITH THIS ULTRA-THIN SERVER

If you don't have the space or need for a lot of internal drives or expansion cards, the general purpose PowerEdge 1950 III is an excellent choice with its dual-processor performance and high availability. Dell has updated this server with a host of features that help customers to optimize energy use, improve security, and boost performance.

Versatile ultra-thin servers like this one are why Dell has sold 49% more high-performance computing (HPC) cluster servers than HP and 67% more than IBM.[1] The server is often found to be an ideal platform on which to run a web server. This multi-purpose server is equally well-suited when deployed singly to support enterprise applications; many find that it is ideal for running network, messaging, video streaming, or remote access applications.

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 two high-performance 2.5" or two 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.

Customers concerned with space are often also concerned with energy consumption. In many regions of the world, we offer a suite of services to help you optimize the design of your data center. Regardless of whether you choose our services, 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 best-selling PowerEdge™ Energy Smart 1950. 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 Dell's 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 remotely via Wake-on-LAN or iSCSI boot, these servers offer greatly improved flexibility. Finally, the PowerEdge Behavioral Specification simplifies 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 deserves 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 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 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 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.

FEATURES	DELL™ POWEREDGE™ 1950 III SERVER
Form Factor	1U 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 3.16GHz
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: 6M; Xeon 5100: 4MB
Chipset	Intel 5000X
Memory	Up to 32GB (8 FBD DIMM slots): 512MB/1GB/2GB/4GB/8GB 667MHz Fully Buffered DIMMs (FBD) in matched pairs
Hard Drives[2]	2.5" SATA (7.2K rpm): 80GB, 120GB 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, 450GB or 3.5" SATA (7.2k rpm): 160GB, 250GB, 500GB, 750GB
Maximum Internal Storage	Up to 1.5TB via two 3.5" 750GB hot-plug SATA hard drives
Drive Bays	Two options: Two hard drive chassis with 2 x 3.5" SAS (10K/15K) or SATA (7.2K) drives or four hard drive chassis with 4 x 2.5" SAS (10K) drives; Peripheral bays: 1 slim optical drive bay with choice of optional CD-ROM, optional DVD-ROM or combo CD-RW/DVD-ROM
I/O Slots	Two slots on separate PCI buses with either PCI Express riser with two x8 lane slots or PCI-X riser with 2 x 64-bit/133MHz slots
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: none External: PowerVault™ DAT 72, 110T, 114T, 122T, 124T, 132T, 136T, 160T and ML6000
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	670W, optional hot-plug redundant power (1+1)
Availability	ECC FBD memory, SDDC, Spare Bank; hot-plug hard drives; optional hot-plug redundant power supplies; dual embedded NICs with failover and load balancing support; optional PERC6/i integrated daughtercard controller with battery-backed cache; hot-plug redundant cooling; tool-less chassis; fibre and SCSI cluster support; validated for Dell/EMC SAN
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 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

[1] Source: Data for Q1 2003 through Q12007 extracted from IDC Tech Server Qview Report Q1 2007.

[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.

SIMPLIFY YOUR NETWORK AT DELL.COM/Servers