

DELL POWEREDGE 2970 SERVER



The Dell™ PowerEdge™ 2970 server features technology that optimizes the balance between performance, energy efficiency and value.

The PowerEdge Edge

Through Dell's commitment to industry standard technology, innovative hardware design and continued focus on fewer system updates, PowerEdge servers help reduce the complexity involved in managing data, whether you are a large enterprise or a small business. These servers are designed to a Dell developed Behavioral Specification that defines consistent hardware layout and user interaction across all server models in this and future PowerEdge generations. Featuring the latest technologies, such as AMD Opteron™ Dual-Core processors, PowerEdge servers offer the power and performance you expect from Dell.

Dell PowerEdge 2970, a Compelling Choice for Virtualization

Virtualization helps businesses reduce operational costs and energy consumption in the datacenter through effective scaling, improved utilization and simplified operations. Dell delivers fully-tested, integrated solutions including the right hardware, software and services to help businesses take full advantage of the benefits of virtualizing their IT environments. The PowerEdge 2970 combined with Dell's leadership with key industry partners such as VMware and Microsoft offers a compelling choice for businesses looking to capitalize on virtualization.

Lower Energy Consumption and Reduced Operating Costs

PowerEdge servers optimize system resources to lower total energy consumption and reduce operating costs without sacrificing performance levels required to run mainstream enterprise applications. The PowerEdge 2970 features Dell's unique low power design and runs on AMD Opteron™ processors featuring PowerNow® technology to optimize processor power utilization based on workload, ultimately helping to save money by saving energy.

Increased Manageability to Simplify Operations

Dell offers businesses the most manageable systems in the industry by providing two paths to management – Dell developed tools and partner integrations. At the center of our management capabilities, the Dell OpenManage™ suite of hardware management applications provides comprehensive deployment, monitoring, and change management functionality. For businesses seeking a broader solution, Dell has partnered with leading systems management vendors – such as Altiris, Novell, Microsoft, and LANDesk – to provide deployment and change management of your entire IT environment. For large enterprise frameworks – such as CA, HP, or IBM – we offer connections that allow Dell systems to be managed with those tools.



Dell PowerEdge 2970



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 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.

Infrastructure Consulting Services

IT departments are continually challenged to evaluate and implement new technologies. Dell's Infrastructure Consulting experts 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. 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. Our comprehensive suite of services include: asset discovery, application packaging, image development, custom integration, custom delivery, and installation.

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 via Disposal, Donation, Value Recovery and Lease Return.

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™ 2970 SERVER

Form factor	2U rack height
Processors	Up to two Dual-Core AMD Opteron™ 2200 series processors at up to 2.8 GHz
HyperTransport	1GHz AMD Hypertransport™ Technology
Cache	2x1 MB L2 Cache
Chipset	Broadcom HT-2100 and HT-1000 server I/O controllers
Memory	Up to 32GB (8 DIMM slots): 512MB/1GB/2GB/4GB ECC DDR2 667MHz SDRAM
I/O slots	Three PCIe slots, (one x4 with x8 connector and two x8)
Drive controller	4 port SAS 5/i integrated SAS/SATA II controller (no RAID) SAS 5/e adapter (no RAID)
RAID controller	Optional PERC 5/i integrated SAS/SATA II daughtercard controller with 256MB cache, PERC 5/e adapter
Drive bays	8 x 2.5" Hard Drive Option; Peripheral bay options; Floppy Drive, PowerVault 100T Tape Drive; Slim optical drive bay with choice of CD-ROM, DVD-ROM or Combo CD-RW/DVD-ROM
Maximum internal storage	Up to 1,168GB: eight 146GB hot-plug SAS (10 K RPM)
Hard drives¹	2.5" SAS (10K RPM): 36GB, 73GB, 146GB; 2.5" SAS (15K RPM) 36GB, 73GB 2.5" SATA II (5.4K RPM): 80GB
External storage	SAS, SCSI and fibre channel storage systems
Tape backup options	Internal: PowerVault 100T (DAT 72) External: PowerVault 100T, 110T, 114T, 122T, 124T, 132T, 136T, 160T and ML6000
Network interface card	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
Power supply	Standard 750 Watt hot-plug power supply; Optional redundant 750 Watt hot-plug power supply; Auto-switching universal 110/220 Volts
Availability	ECC DDR2 SDRAM, SDDC, Spare Bank; hot-plug hard drives; optional hot-plug redundant power supplies; dual embedded NICs with failover and load balancing support; optional PERC5/i integrated daughtercard controller with battery-backed cache; hot-plug redundant cooling; tool-less chassis; fibre and SAS cluster support; validated for Dell/EMC SAN
Video	Embedded ATI ES1000 with 16MB memory
Remote management	Standard Baseboard Management Controller with IPMI 2.0 support; optional DRAC5 for advanced capabilities
Systems management	Dell OpenManage™
Rack support	4-post (Dell rack), 3rd party Versa rails, sliding rails and Cable Management Arm
Operating systems	Microsoft® Windows Server 2003 R2, Standard and Enterprise Edition, x64, Standard and Enterprise Edition; Red Hat® Linux® Enterprise v4, WS, AS, ES and ES x86-64; Red Hat® Linux® Enterprise v5; SUSE Linux Enterprise Server 10 x86-64

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

² This term does not connote an actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. Dell is not responsible for errors in typography or photography. Dell, the Dell logo and PowerEdge are trademarks of Dell Inc. AMD, Opteron and Hypertransport are registered trademarks of Advanced Micro Devices, Inc. PCI Express is a trademark. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims proprietary interest in the marks and names of others. © Copyright 2007 Dell Inc. All rights reserved. Reproduction in any manner whatsoever without the express written permission of Dell Inc. is strictly forbidden. For more information contact Dell. March 2007. A2 Graphics.

