The Dell™ PowerEdge™ 2850 server offers the perfect balance of performance, storage capacity, configuration flexibility and rack density making it ideal for network infrastructure applications that also demand uncompromised availability and expandability.

Expandable Performance
With up to six hard drive bays, dual Intel® Xeon™ processors supporting an 800MHz Front Side Bus and up to 16GB1 of DDR-2 memory, the PowerEdge 2850 server is designed for top-notch performance today and the ability to expand in the future. And it packs all of this into a space-conscious 2U chassis. Additionally, the system includes support for PCI Express™, the latest development in I/O throughput that helps your server keep pace with advances in I/O technologies. Plus, the PowerEdge 2850 server is designed to support expansion with Intel Extended Memory 64 Technology that supports both 32-bit and 64-bit applications enabling you to easily expand into 64-bit technology.

Uncompromising Availability
The PowerEdge 2850 server addresses the need for high availability in intense network applications. It features optional hot-plug redundant power supplies and standard hot-plug hard drives, RAID 0, 1, 5, 10 or 50 support for data redundancy, an optional internal tape drive for local data backup, Memory Mirroring and redundant Network Interface Controllers to keep your systems running while protecting your data. Additionally, support for high availability SCSI or fibre channel clustering provides flexible, scalable availability.

Manageability and Serviceability
Simple yet powerful management features, both local and remote, are key benefits of the PowerEdge 2850 server. PowerEdge 2850 includes a standard Baseboard Management Controller that is compliant with Intelligent Platform Management Interface (IPMI) 1.5 so that you can manage your systems from anywhere, anytime with any management program that supports IPMI. The optional DRAC 4/I remote management card with continuous video monitoring, virtual floppy/CD access and Active Directory integration provides an additional level of manageability. Additionally, it shares common BIOS and drivers with PowerEdge 1850 and 2800 servers making it easy to perform software upgrades and maintenance while helping to reduce Total Cost of Ownership.

What’s more, the PowerEdge 2850 system is built for ease-of-use and serviceability. The 2U chassis easily slides in and out of the rack for rapid service, and the chassis does not require tools for servicing or replacing components. The LCD panel details the status of your system and the bezel display includes Active ID indicators that immediately alert you in the event of system failures.

The PowerEdge 2850 is designed to deliver new levels of performance while offering a balance of storage capacity and rack density making it a perfect solution for growing network infrastructure environments.
DELL ENTERPRISE SERVICES

By leveraging the proven advantages of our direct model, including tailored service and support, low cost and a single point of accountability, Dell Services can provide you with fast, effective, affordable service offerings at any point in your IT process. By doing so, we offer a combination of bundled best practices and tailored solutions that work together to provide maximum value to you. Whether you need support, deployment, training and certification programs, or professional consulting services, individually or bundled as a total package, Dell promises to be your single point of accountability at all times.

Professional Services
Dell Professional Services enables Dell customers to optimize ROI by leveraging complex technology through the design, development and deployment of innovative, robust and scalable business-critical solutions. With each engagement, we utilize our proven methodology and project management expertise to understand your business objectives, design plans that are flexible to adapt to your current environment and then deliver the desired results.

Deployment Services
We bring you deployment assistance that delivers true value from beginning to end. Dell can tailor systems to our customers’ specifications by customizing the hardware and software configuration during the initial system-build to reduce redundancy and time. We can manage the delivery, installation and disposal of your assets with the same eye for efficiency.

Training and Certification
Our approach to Training and Certification allows you to outsmart your competitors – not outspend them – with industry-standard learning across Dell hardware and industry-standard software. Dell can assist you wherever you need us, whether on-site, on-line or in a classroom setting, to help your organization take full advantage of information technology.

Enterprise Support Services
Technology is a significant investment, and it pays to have a partner who can help you minimize costly downtime. Through our Premier Enterprise Support Services (PESS) offerings, Dell provides tiered support service packages with the flexibility to customize the offering to meet your specific needs across a wide range of computing environments. With proactive and reactive support options which include hardware and software support with varied response levels, account management and remote resolution, Dell provides support solutions that meet your needs, cost-effectively.

DELL POWEREDGE 2850 SERVER

FEATURES Dell® PowerEdge™ 2850 Server

- Form factor: 2U rack height
- Processors: Up to two Intel® Xeon™ processors with Intel Extended Memory 64 Technology at up to 3.66GHz
- Front side bus: 800MHz
- Cache: 1MB L2
- Chipset: Intel E7520
- Memory: 256MB/12GB DDR-2 2 400 SDRAM; 16GB with availability of dual rank 4GB DIMMs
- I/O channels: Three total: three PCI-X® slots (64-bit/133MHz) or two PCI Express® slots (1 x 4 lane and 1 x 8 lane) and one PCI-X slot (64-bit/100MHz)
- Drive controller: Embedded dual channel Ultra320 SCSI; internal and external routing
- RAID controller: Optional dual channel ROMB (PERC 4e/Di), PERC 4/DC and PERC 4e/DC adapters
- Drive bays: Six 1” Ultra320 hot-plug SCSI drives or five drive bays and one tape drive bay
- Maximum internal storage: Up to 1.8TB with 300GB HDD
- Hard drives: 36GB, 73GB, 146GB and 300GB* (10,000 rpm) Ultra320 SCSI
- Internal storage performance: 10K/15K RPM SCSI drives
- External storage: Dell PowerVault™ SCSI and Dell/EMC fibre channel storage
- Tape backup options: Internal: PowerVault 110T DAT72
- Network interface card: Dual embedded Intel Gigabit® NICs; single and dual port Intel PRO/1000 MT Gigabit adapters, Intel PRO/1000 MF (optical)
- Power supply: 700W, optional hot-plug redundant power
- Availability: ECC memory, Single Device Data Correction (SDDC), Spare Bank, Memory Mirroring; hot-plug SCSI hard drives; optional hot-plug redundant power; hot-plug redundant cooling; tool-less chassis; high availability fibre channel and SCSI cluster support; optional ROMB with battery-backed cache; optional Split Backplane; optional PERC RAID controller
- Video: Embedded ATI Radeon 7000-M with 16MB SDRAM
- Remote management: Baseboard Management Controller with IPMI 1.5 compliance, accessible via network or serial port; optional slot-free DRAC 4/I
- Systems management: Dell OpenManage™
- Rack support: 4-post (Dell rack), 2-post and 3rd party; Cable Management Arm

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