

Dell PowerEdge 650 Server



Bringing new levels of performance, flexibility, expandability and manageability to low-cost, single processor systems, the Dell™ PowerEdge™ 650 server is ideal for small to medium organizations that require outstanding value and have a limited amount of space.

Performance and Flexibility

Supporting the latest 3.06GHz processor, the first Intel® Pentium® 4 CPU to offer Hyper-Threading technology, the Dell PowerEdge 650 server brings new levels of performance and flexibility for a one processor system. And with the lower cost Intel Celeron® processor option, this general-purpose, rack-dense server is flexible enough to fit your exact deployment needs. It is suitable for a wide variety of uses, including edge-of-network, network infrastructure and single function applications such as video streaming.

Plus, it offers dependable data availability with hardware RAID options, including the CERC ATA-100 RAID, the PERC4/SC and the PERC4/DC SCSI RAID controllers, which not only helps increase system uptime, but also helps improve drive performance. Similarly, Error Correction Code memory corrects single bit errors to help provide higher levels of system uptime.

Expandability

The PowerEdge 650 server is designed to grow as your application demands increase. It supports up to 4GB of DDR266 SDRAM and three DIMM slots for expandable memory capacity. Additionally, the server includes up to two non-hot plug IDE or SCSI hard drives with a RAID option enabling you to specify the drive and data protection capacity that matches your requirements. The two PCI slots, one available and one occupied with an integrated NIC, provide further expandability and are located on separate buses to enable optimal performance for the server.

Manageability and Serviceability

With the remote management option and easy-to-use management tools such as Dell OpenManage™ IT Assistant, OpenManage Server Administrator and Dell Server Assistant, the PowerEdge 650 server provides simplified manageability. And it is easy to service. Features such as the tool-less chassis, front access keyboard, video, mouse ports and system identification buttons on the front as well as the back mean quick and hassle-free access to your system.

The feature set of the PowerEdge 650 server, including a single Intel Pentium 4 or Celeron processor, small footprint and extremely aggressive price make the PowerEdge 650 the ideal solution for small to medium organizations, cost-sensitive data center customers and service providers where price and rack density are paramount.



PowerEdge 650 Server

Exceptional performance. Easy as **DELL**™

Visit www.dell.com for more information.



Dell PowerEdge 650 Server

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. Whether you need professional consulting, training and certification, deployment, or support services, 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 Services

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 Enterprise Support Services 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.

Services vary by region. For more information on the available services in your area, please visit www.dell.com.

FEATURES DESCRIPTION

Processor	Single Intel® Pentium® 4 up to 3.06GHz or single Intel Celeron® up to 2.0GHz
Front side bus	Intel Pentium 4: 533MHz; Intel Celeron: 400MHz
Cache	512KB Level 2 ECC cache (full speed) for Pentium 4; 128KB Level 2 ECC cache (full speed) for Celeron
Memory (min/max)	128MB/3GB DDR SDRAM
I/O slots	1 x 64-bit/33MHz PCI slot (Available) and 1 x 64-bit/133MHz PCI-X slot (Occupied); both full-height, half-length
Embedded NIC	Integrated Intel PRO/100+ Dual Port or Intel PRO/1000 XT Gigabit ¹ NIC
Embedded controller	ATA-100
Hard drive bays	Two: 2 x 1" IDE OR SCSI
Maximum internal storage	240GB IDE (7200 rpm), 292GB SCSI (10,000 rpm), or 146GB (15,000 rpm)
Video	On-board
RAID	Optional CERC ATA-100 (IDE), PERC4/SC (SCSI) or PERC4/DC (SCSI)
Remote management	Optional DRAC III/XT
Availability	ECC memory Optional IDE or SCSI RAID (CERC ATA-100, PERC4/SC, PERC4/DC)

¹ This term indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 GB/s. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

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