Dell PowerEdge 1600SC Server

The Dell™ PowerEdge™ 1600SC Server delivers dual processor performance, availability and simplicity at an aggressive price, bringing the latest server technology to small businesses and workgroup applications.

Dual Processor Performance

The PowerEdge 1600SC server is designed to provide your small or medium business with dual processor performance at a price that fits your budget. If you need a file/print server, are building a LAN infrastructure or replacing a peer-to-peer network, the PowerEdge 1600SC is an ideal solution. And if your organization is larger, it is also well-suited as a workgroup application server or in remote office installations.

Featuring up to two Intel® Xeon™ processors with Hyper-Threading Technology, the PowerEdge 1600SC server boasts speeds up to 3.2GHz with 2MB cache and a 533MHz front side bus. It includes as much as 4GB of ECC Double Data Rate (DDR) memory, increasing memory speed to 266MHz. The PowerEdge 1600SC server offers embedded LAN on Motherboard (LOM) with the Intel® PRO/1000 MT network connection, providing up to 1000MB/s of bandwidth to alleviate bottlenecks. And with flexible 10/100/1000 connectivity, you can match the speeds of your current network devices while you prepare your Gigabit[1] infrastructure. Plus, it takes advantage of Ultra 320 SCSI technology to help increase bandwidth and speed of data flow up to 320MB/s. These features combine to give you high bandwidth and powerful performance to help your small organization stay competitive.

Expandability

At Dell, we understand that your small business needs room to grow. That's why the PowerEdge 1600SC offers up to six hard drives in hot-plug configurations, providing you with ample room to expand internal storage as your needs increase, up to nearly 1TB of storage. It also offers a total of six PCI slots, including two PCI-X slots. What's more, the PowerEdge 1600SC allows one additional expansion drive bay with options of an additional CD-ROM, DVD-ROM, Combo CD-RW/DVD-ROM drive, or SCSI or IDE Tape Backup Unit.

Availability

The PowerEdge 1600SC is built to give you peace of mind knowing your data will be available when you need it. The server offers hot-plug redundant power supplies as an option for increased system availability and hot-plug HDDs as another option to maximize uptime. The server supports Adaptive Load Balancing or Failover when you include additional NICs in your configurations. Plus, the PowerEdge 1600SC offers server-class SCSI or IDE tape backup drive options supported by Dell's full range of internal tape backup software. These tape backup options provide a great approach to help keep your business up-and-running by allowing you to make a backup copy of your valuable business data.

Simplicity

In small business environments, simplicity is key. The PowerEdge 1600SC is designed to be easy to order and easy to manage. It is highly configurable so that you can build your system with only the features you need. And the PowerEdge 1600SC gives you excellent manageability through an integration of OpenManage™ Server Agents software and integrated server monitoring hardware, tracking system temperature, fan speed and voltage loads along with operating system performance. The server also includes the option to add the DRAC III/XT systems management card that can enable you to monitor and manage the system from remote locations. Plus, the easy-access chassis means you can remove all of the components easily and simply.

Built with both the high performance needs and cost concerns of small and medium businesses in mind, the PowerEdge 1600SC delivers a combination of performance and availability at aggressive prices making it ideal for entry workgroup server environments.

PowerEdge 1600SC

Exceptional performance. Easy as **DELL**™

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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

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.

FEATURES	DESCRIPTION
Processors	Dual Intel® Xeon™ at up to 3.2GHz
Cache	from 512KB L2 up to 2MB L3 cache
Chipset	ServerWorks® GC-SL chipset
Front side bus	533MHz
I/O channels	Six total: 2 x PCI-X slots (2 x 64-bit/100MHz); 4 x PCI slots (2 x 64-bit/66MHz; 2 x 32-bit/33MHz)
Network interface card	10/100/1000 embedded NIC
Availability	Hot-plug, redundant power (optional); hot-plug hard drives (optional); ECC memory; easy-access chassis
Maximum memory	4GB ECC DDR-266 SDRAM
Internal storage scalability	Up to six hot-plug (or four non hot-plug) SCSI drives, or up to four IDE drives.
	Up to 876GB SCSI internal storage
Internal storage performance	10,000 and 15,000 rpm U320 SCSI drives or 7,200 rpm IDE drives
Hard Drive Controller	Embedded single channel (U320) SCSI, Embedded dual channel ATA100, up to six (U320) SCSI hard drives plus 2 optical devices, optional PERC 3/SC, PERC 4/SC, or optional 39160 Ultra3
RAID support	PERC 4/SC single channel U320 or PERC3/SC single channel U160 RAID controller (SCSI drives)
	CERC quad-channel ATA RAID (IDE drives)
Tape support	Internal: PowerVault 100T TR40, PowerVault 100T DDS4, PowerVault 110T DLT VS80
Video	Embedded ATI Rage XL (8MB)
USB performance	1.1
Networking	Embedded Intel Gigabit NIC
	Optional add-in: Intel PRO/100 S NIC, Intel PRO/1000 XT NIC, Broadcom® 5703 (10/100/1000) NIC, Broadcom ModemXtreme 56KB V.92 PCI modem
High availability clustering	Not supported
Chassis	Easy-access tower (not rackable)
Power supply	1 x 450W or optional 2 x 450W hot-plug redundant
Systems management	Integrated server monitoring (ADM1026); OpenManage™ support
Remote management	Optional Dell Remote Assistant Card (DRACIII/XT)
Dimensions (H x W x D)	17.61" x 8.57" x 22.53" (44.73cm x 21.77cm x 57.23cm)
Weight	73 lbs., maximum configuration
Rack support	None

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