

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 great price. 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. If your organisation 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 2.8GHz with 512K cache and a 400MHz front side bus. It includes as much as 4GB of ECC Double Data Rate (DDR) memory, increasing memory speed to 200MHz. The PowerEdge 1600SC server offers embedded LAN on Motherboard (LOM) with the Intel PRO/1000 MT network connection, providing up to 1GB/s of bandwidth to alleviate bottlenecks. With flexible 10/100/1000 connectivity, you can match the speeds of your current network devices while you prepare your Gigabit 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 organisation 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 one-half Terabyte 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 maximise 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. The PowerEdge 1600SC gives you excellent manageability through the 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 an aggressive price making it ideal for entry workgroup server environments.



Dell PowerEdge 1600SC

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Software and storage support resolutions

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Optional Upgrades

Remote monitoring

On-site troubleshooting

On-site engineer and parts

Customer training

2-hour response 6-hour repair on-site service¹

FEATURES

DESCRIPTION

Processors	Dual Intel® Xeon™ FC-PGA at 1.8GHz, 2GHz, 2.4GHz or 2.8GHz
Cache	512K L2 cache
Chipset	ServerWorks® GC-SL chipset
Front side bus	400MHz
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 RAM
Internal storage scalability	Up to six hot-plug (or four non-hot-plug) SCSI drives, or up to four IDE drives Up to 438GB SCSI internal storage
Internal storage performance	10,000 and 15,000 rpm U320 SCSI drives or IDE drives
External hard drive storage	None
Embedded SCSI (HDDs)	Single channel U320
Embedded IDE (HDDs)	ATA100
RAID support	PERC3/SC single channel U160 RAID controller (SCSI drives) CERC quad-channel ATA RAID (IDE drives)
Tape support	Internal: PV 100T TR40, PV 100T DDS4, PV 110T DLT VS80
Video	Embedded ATI Rage XL (8MB)
USB performance	1.X
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 soft 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	33.1kg approx. / 73 lbs. maximum configuration
Rack support	None

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