

DNS-3200

3U Dual Intel® Xeon® Storage Server with 15 SATA Drive Bays



Features

- High capacity enterprise 3U NAS server
- Dual Intel® Xeon® processors up to 3.8 GHz
- Supports hardware RAID levels RAID 0, 1.5, 1N, 10, Matrix RAID, OCE, Online Migration and Distributed Sparing
- Fifteen SATA hot-swap hard drives for a total capacity of 7.5 TB
- SCSI Controller (embedded) with two external connectors for backup device or capacity expansion
- OS snapshot by mirror split



Introduction

The DNS-3200 provides an affordable, scalable and reliable storage solution that delivers high performance, plug and serve functionality, and easy installation. The DNS-3200 is an ideal platform for consolidating existing storage while adding incremental storage to workgroups, offices, or enterprise networks running Windows, UNIX, Linux, NetWare or Macintosh OSs. The DNS-3200 reduces TCO by offering easy installation, management, and remote administration. The DNS-3200 supports hardware RAID levels 0, 1.5, 1N, 10, Matrix RAID, OCE, Online Migration and Distributed Sparing and hot spare. A new feature of this series is the use of Distributed Sparing, which is a method of using all the drives in an RAID for redundancy, achieving higher performance than traditional methods. Furthermore, the DNS-3200 offers iSCSI functionality, a cost efficient IP SAN environment, and with Windows Server™ 2003 pre-installed, provides highly integrated storage-serving for enterprise environments. It includes new features such as directory quota, file screening and volume shadow copy that give the user enough flexibility to restore data easily without administrator help. The DNS-3200 provides two external Ultra 320 SCSI ports to allow for more hard drive capacity or a tape library. Dual Gigabit Ethernet connections provide networking features such as failover and load balancing. The DNS-3200 supports up to two Intel Xeon 3.6 GHz CPUs for peak processing performance.

Specifications

Processor System	CPU	Intel Xeon x 2
	Max. Speed	3.8 GHz
	L2 Cache	2 MB/1 MB
	Chipset	Intel E7520
Bus	Front Side Bus	800 MHz
	Technology	DDRII 400 ECC registered SDRAM
Memory	Max. Capacity	16 GB
	Socket	168-pin DIMM x 8
	Interface	10/100/1000Base-TX x 2 WOL (with failover/load balance)
Ethernet	Controller	Intel 82546GB x 2
	Connector	RJ-45 x 2
	Interface	Ultra 320
SCSI	Controller	Adaptec 7902W
	Max. Data Transfer Rate	320 MB/sec.
	Channel	2 (external)
Drive Bay	3.5" HDD	15 (internal SATA HDD)
RAID	Controller	Hardware RAID support RAID 0, 1.5, 1N, 10, Matrix RAID, OCE, Online Migration and Distributed Sparing
I/O Interface	Serial	1 (RS-232)
	USB	5 (USB 2.0)
	VGA	1 (for local configuration)
	PS/2	2 (mouse x 1, keyboard x 1)
Management	Indicator	LED for system power, fan/temperature alarm; LAN activity x 2
	System Monitoring	ID/power/active LED for each HDD; system power, fan/temperature/voltage alarm LEDs
Cooling	Fan	4 x 9 cm hot-swap cooling fans
Power Requirement	Watt	2 x 8 cm exhaust fans with air shrouds, 760 W + 380 W w/fan speed control
	Redundant	Triple redundant hot-swap
	Input	90 ~ 264 VAC @ 47 ~ 63 Hz, full range
Environment	Temperature	0 ~ 35 °C
	Humidity	5 ~ 90%, non-condensing
Physical Characteristics	Dimensions (W x H x D)	17.1" x 5.1" x 25.5"
	Weight	33 kg (72 lbs) (w/o HDDs)

Software Specifications

System	Windows Storage Server 2003, Persistent Storage Manager 2.0, Redundant OS Services for UNIX 3.5, Services for Netware 5.0 iSCSI initiator SnapShot
Network Transport Protocol	TCP/IP, IPX, NetBIOS, and AppleTalk
File Sharing Protocol	Microsoft Networks (CIFS/SMB), Unix (NFS 2.0/3.0), Apple (AFP), Novell (NCP), WWW (HTTP 1.0), File Transport Protocol (FTP), and Distributed File System (DFS)
Security and Authentication	Active Directory, Kerberos, Windows NT Domain, NIS, NTLM, SSL, IPsec, and Apple User Account Management (UAM); Encrypting File System (EFS)
System Management	Admin Web UI, Remote Desktop for Administration, Virtual Disk Service (VDS), SNMP, Telnet, Quota Management, File Screening, and Local UI
Setup and Configuration	Web-based user interface for system administration that supports English, Traditional Chinese, Simplified Chinese, French, German, Spanish, Japanese, and Korean

Ordering Information

Part Number	Processor	RAM	SCSI
DNS-3200-EW	Intel Xeon 2.8/FSB800	1 GB ECC registered	-
DNS-3200-ESW	Intel Xeon 2.8/FSB800	1 GB ECC registered	2
DNS-3200-BW	-	-	-
DNS-3200-BSW	-	-	2

*HDDs not included

