



Network Attached Storage

CyberStore

The CyberStore range of Network Attached Storage (NAS) solutions are highly scalable with Storage capacities up to 24TB



CyberStore – Network Attached Storage (NAS) - WSS 2003

Network Attached Storage (NAS) Servers are the easiest and most cost effective way of adding Storage to your network.

If you need to increase the available Storage on your network without the cost implications of deploying a traditional File Server, we offer a range of products that can be attached quickly and directly to your Ethernet network to provide significant additional disk capacity at a very competitive price point.

We provide a range of Windows Storage Server 2003 based Network Attached Storage Servers (NAS), scaling from entry level 1U rack mount units based on Serial ATA (SATA) technology with 1TB (Terabyte) through 4TB capacities, to fully redundant NAS Storage Servers incorporating a choice of hardware RAID levels including RAID level 0, 1 (10), 5, 6 and JBOD, dual gigabit Ethernet connectivity and a range of sizes up to 24TB all using hot swap SATA II 3Gb/s hard drives.



CyberStore 104S



CyberStore 208S



CyberStore 312S



CyberStore 416S



CyberStore 524S

Dividing data into 2TB increments is inefficient and has become a storage management nightmare. With the CyberStore range of WSS 2003 NAS Storage appliances IT managers can now create storage volumes as large as 24TB in a single basic volume. The storage volume array limitations in Windows are eliminated with the CyberStore WSS 2003 range of storage servers and as an added benefit this also eliminates the need to create dynamic disks and spanned volumes therefore attaining larger storage capacities making storage management a breeze.

The CyberStore chassis are rugged and reliable and designed to exceed the power, cooling and rotational vibration requirements of today's high speed hard disk drives. Some of the fault tolerant features include:- Redundant power supplies¹, hot swap system fans², automatic drive insertion / removal feature with an automatic drive rebuilding function, online RAID capacity expansion, dual GbE network ports and a firmware browser based RAID manager, SMTP manager, SNMP agent, and Telnet function via the RAID controller Ethernet port³ all of which increases the systems manageability, reliability and system uptime.

In most cases, NAS Storage Servers are designed for a single purpose – to store and share large volumes of files over a local area network – regardless of the file system and operating system used by your Client PCs. These include Windows, Unix, Linux, NetWare and Macintosh Clients. Users can access files held in personal and shared directories on the NAS Server in the same way they do on a normal Windows or Unix Server, with similar security and permissions. And unlike general purpose file servers, client license fees are not required, reducing cost of ownership as your network grows.

Typically NAS Storage Servers do not actually host Networked Applications in the way a normal Server would, as they use an embedded operating system compiled specifically for use on the NAS Server and all CyberStore WSS 2003 NAS storage servers are designed to install without interrupting your network configuration, and can be up and running very quickly.

¹ Optional on CyberStore 104S

² Not available on CyberStore 104S or 208S

³ Available on CyberStore 312S, 416S and 524S



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Hardware Specifications					
	CyberStore 104S WSS2003 R2	CyberStore 208S WSS2003 R2	CyberStore 312S WSS2003 R2	CyberStore 416S WSS2003 R2	CyberStore 524S WSS2003 R2
Processor	Intel Xeon 5310 Quad Core 1.6GHz, 2 x 4MB Cache	Intel Xeon 5310 Quad Core 1.6GHz, 2 x 4MB Cache	Intel Xeon 5310 Quad Core 1.6GHz, 2 x 4MB Cache	Dual Intel Xeon 5310 Quad Core 1.6GHz, 2 x 4MB Cache	Dual Intel Xeon 5310 Quad Core 1.6GHz, 2 x 4MB Cache
Memory	1GB DDR2-667 ECC FB-DIMM	1GB DDR2-667 ECC FB-DIMM	2GB DDR2-667 ECC FB-DIMM	2GB DDR2-667 ECC FB-DIMM	2GB DDR2-667 ECC FB-DIMM
RAID Controller	4 Port Serial ATA II PCI-X RAID controller	8 Port Serial ATA II PCI-X RAID controller	12 Port Serial ATA II PCI-X RAID controller	16 Port Serial ATA II PCI-X RAID controller	24 Port Serial ATA II PCI-X RAID controller
RAID Levels	RAID 0,1,10,5, JBOD	RAID 0,1,10,5, 6, JBOD	RAID 0,1,10,5, 6, JBOD	RAID 0,1,10,5, 6, JBOD	RAID 0,1,10,5, 6, JBOD
Storage Capacity	1TB, 1.6TB, 2TB, 3TB, 4TB	2TB, 3.2TB, 4TB, 6TB, 8TB	3TB, 4.8TB, 6TB, 9TB, 12TB	4TB, 6.4TB, 8TB, 12TB, 16TB	6TB, 9.6TB, 12TB, 18TB, 24TB
Hot Swap	Yes	Yes	Yes	Yes	Yes
Drive Bays	4	8	12	16	24
Operating System Drives	None	None	2 x 80GB SATA II Hard Drives (Mirrored)	2 x 80GB SATA II Hard Drives (Mirrored)	2 x 80GB SATA II Hard Drives (Mirrored)
Hard Drive Type	Serial ATA II 3Gb/s	Serial ATA II 3Gb/s	Serial ATA II 3Gb/s	Serial ATA II 3Gb/s	Serial ATA II 3Gb/s
Network Controller	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports	2 x 10/100/1000 Ethernet Ports
Chassis Dimensions	1U 483mm x 660mm x 43.5mm 19" x 26" x 1.75"	2U 483mm x 660mm x 89mm 19" x 26" x 3.5"	3U 483mm x 660mm x 134mm 19" x 26" x 5.25"	4U 483mm x 660mm x 178mm 19" x 26" x 7"	5U 483mm x 660mm x 222mm 19" x 26" x 8.75"
Expansion Slots	None	1 x PCIe x8 LP 1 x PCIe x4 LP 1 x PCI-X LP 2 x PCI LP	1 x PCIe x8 1 x PCIe x4 1 x PCI-X 2 x PCI	1 x PCIe x8 1 x PCIe x4 1 x PCI-X 2 x PCI	1 x PCIe x8 1 x PCIe x4 1 x PCI-X 2 x PCI
Power Supply	400W (Optional Redundant PSU)	500W Redundant 1+1	650W Redundant 2+1	650W Redundant 2+1	1350W Redundant 3+1
Integrated Operating System	Windows Storage Server 2003 R2	Windows Storage Server 2003 R2	Windows Storage Server 2003 R2	Windows Storage Server 2003 R2	Windows Storage Server 2003 R2
Warranty	3 Year Limited	3 Year Limited	3 Year Limited	3 Year Limited	3 Year Limited



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