

# XN 1000 WSS Series

Powered by Microsoft® Windows® Storage Server 2003

The XN 1000 Windows Storage Server (WSS) Series was designed with the needs of small and medium businesses in mind, and is scalable to meet large enterprise demands. The XN 1000 WSS Series connects users with their data across any network, which makes document sharing convenient, fast and secure.

The system can be managed easily via a built-in interface that is accessible from any local browser. A front LCD control panel provides status of the system and allows for simple configuration. The XN 1000 WSS Series can be set up by an average user within 20 minutes.

The XN 1000 WSS Series has more advanced features than traditional file servers, which allow users to consolidate data into a single system and alleviate the need for multiple client license fees.



**1U 4-Bay  
XN-104R-T2S**



**1U 8-Bay  
XN-108R-T2S**



**2U 12-Bay  
XN-212R-T3S**

## Key Features

**High Availability** - The XN 1000 WSS Series was designed to be fully redundant. The redundant components are hot swappable for easy maintenance without shutting down the system. The OS's mirrored partition failover is also supported with failover BIOS and a watchdog timer. Depending on performance, capacity and fault tolerance, multiple volumes of RAID can be configured to suit higher redundancy needs.

**Consolidation** - The XN 1000 WSS Series provides heterogeneous platform support to allow data to be shared among Windows, UNIX/LINUX, Macintosh and Netware clients with multilingual support. Multiple file servers can be consolidated to reduce system complexity, which can significantly reduce support costs.

**Performance** - To serve data quickly over the network, the XN 1000 WSS Series features dual gigabit Ethernet ports with built-in failover and load balancing. A built-in PCI-X high speed bus reduces I/O bottlenecks. Depending on the system configuration, various caches can be tuned for best performance.

**Scalability** - The XN 1000 WSS Series is scalable to allow for growth of storage needs. An optional SCSI module provides a RAID array or JBOD expansion. A PCI-X expansion slot permits a fibre channel interface to utilize SAN capacity. Native iSCSI support also allows the server to connect to an IP storage pool.

For more information visit our website  
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# XN 1000 WSS Series



Features	Description	XN-104R -T2x*	XN-108R -T2x	XN-212R -T3x
<b>GENERAL</b>				
Standard Processor		Intel Pentium 4 2.8GHz	Intel Pentium 4 3.0GHz	Intel Xeon 2.8GHz
Front Side Bus		533MHz	533MHz	533MHz
Memory Type		DDR 400 with ECC	DDR 400 with ECC	Dual-channel DDR 266, registered ECC
Standard Memory		512MB	512MB	1GB
Maximum Memory		2GB	2GB	4GB
Network Interface	Dual Gigabit (failover /aggregation)	Yes	Yes	Yes
	10/100 BaseT	1	1	1

<b>SOFTWARE SUPPORT</b>				
Operating System	Windows Storage Server 2003	Workgroup	Standard	Standard
File System Protocols	CIFS/SMB, NFS, AFP, HTTP, FTP	Yes	Yes	Yes
Network Client Support	Windows, Mac OS, Unix, Linux, Netware	Yes	Yes	Yes

<b>BACKUP FUNCTIONS</b>				
Snapshots	Volume Shadow Copy Service	64	64	64
Server Backup	NT backup	Yes	Yes	Yes
OS Quick Restore	Via an External USB DVD-ROM	Yes	Yes	Yes

<b>RAID</b>				
RAID Levels		Software RAID 0,1,5 (Optional Hardware RAID)	Software RAID 0,1,5 (Optional Hardware RAID)	Hardware RAID 0,1,5,10
Disk Drives	Max. no. of disk drives	4	8	12
Capacity**	Max. storage capacity	1.6 TB	3.2TB	4.8 TB
Global Hot Spare		No	No	Yes
Local Hot Spare		No	No	No
Automatic Rebuild		No	No	Yes

<b>DRIVES</b>				
Drive Interface		Serial ATA 300	Serial ATA 300	Serial ATA 150
Drives Supported	1" height	Yes	Yes	Yes
Drive RPM	Up to 10,000	Yes	Yes	Yes



Features	Description	XN-104R -T2x	XN-108R -T2x	XN-212R -T3x
<b>ADMINISTRATION</b>				
Web-based Administration		Yes	Yes	Yes
Multilingual Support		Yes	Yes	Yes
LED Notification		Yes	Yes	Yes
LCD Front Bezel		Yes	Yes	Yes
SNMP & SMTP Notification		Yes	Yes	Yes

<b>ENCLOSURE</b>				
Enclosure	19" Rackmount	1U	1U	2U
Passive Backplane		Yes	Yes	Yes

<b>HOT-SWAP &amp; REDUNDANCY</b>				
Redundant OS Partitions	Failover BIOS with a Watchdog timer	Yes	Yes	N/A
File Replication	Distributed File System	Yes	Yes	Yes
Disk Drive	Hot-swap drive tray	4-bay	8-bay	12-bay
Cooling	Hot-swap fans	5	8	Redundant 2+1
Power Supplies	Hot-swap, redundant 1+1	350W	350W	460W
Power Entry	Dual AC Inlet	Yes	Yes	Yes

<b>ELECTRICAL &amp; ENVIRONMENTAL</b>				
Universal A/C Input	100-240V AC full range	Yes	Yes	Yes
Operating Environment	Temperature 5°C to 35°C	Yes	Yes	Yes
	Relative Humidity 20% to 80%	Yes	Yes	Yes
Non-operating Environment	Temperature -20°C to 60°C	Yes	Yes	Yes
	Relative Humidity 10% to 90%	Yes	Yes	Yes

<b>PHYSICAL DIMENSIONS</b>			
	XN-104R-T2S	XN-108R-T2S	XN-212R-T3S
Height	1.7" (44mm)	1.7" (44mm)	3.5" (88mm)
Width	16.8" (427mm)	16.8" (427mm)	17.4" (442mm)
Depth	20.4" (517mm)	30.2" (767mm)	25" (640mm)
Weight***	22.5 lb (10.2kg)	31 lb (14.1kg)	39 lb (17.5kg)

<b>AGENCY</b>				
Emissions & Safety	FCC, UL, C-UL, CE, TUV, BSMI	Yes	Yes	Yes
Quality	ISO 9001	Yes	Yes	Yes

<b>OPTIONS</b>				
SCSI Module	For local backup	Yes	Yes	Yes
Fibre Module	For SAN connectivity	Yes	Yes	N/A

\* x: S or B for silver or black color  
 \*\* With 400GB SATA disks  
 \*\*\* Disk drives are not included in the weight.

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