

Sol NAS W16



The Sol NAS with hardware RAID 5/6 SATA HDD, is the best Network Attached Storage for SMB and enterprise. Powered by Microsoft Windows Storage Server 2003 R2, 8TB of Maximum Capacity (using 500GB SATA II HDD), multiple Snapshots support, and Web based GUI management console, Sol NAS W is the best choice for Network Attached Storage.

Sol NAS W Series combines Windows Storage Server 2003 R2 OS (latest file and print serving OS from Microsoft) with high performance storage platforms from Sol in a single package.

Sol NAS W is designed for dependability and seam-less integration, and presents the best value in networked storage. While Windows Storage Server 2003 R2 integrates with existing infrastructures and supports heterogeneous file serving as well as backup and replication of stored data, Sol NAS W hardware appliances provide best reliability and performance required in demanding environments.

Sol NAS W Series is a cost effective and flexible solution that can serve file and print, and Exchange Server 2003 (up to 1500 seats). As a NAS gateway to SAN, it provides access to a virtually unlimited amount of storage by adding external RAID array or from iSCSI SAN or FC SAN.

File, Print and Storage Serving

Deploy a dedicated file and print server with a built-in IP SAN to address your growing storage requirements. Data protection features and support for multiple file protocols as well as a variety of iSCSI initiators make XW Series the ideal solution for heterogeneous file and storage serving.

Multiple Snapshots Fast data recovery

Restores deleted or corrupted files within minutes using Shadow Copy of Shared Folders. This application built on Volume Shadow Copy Service can store up to 64 point-in-time copies per volume and provides the ability for end users to recover previous versions of files.

Sol NAS W16 Hardware Engine

Processor

- ◆ 64-bit Xeon 3.0 Ghz. Upgradeable to two Xeon processors with 800Mhz system bus
- ◆ Support Hyper-Threading Technology, EM64T, and Enhanced Intel SpeedStep Technology

Memory

- ◆ 2GB standard, up to 16GB Registered ECC DDR2 400 SDRAM

Network Interface Adapter (NIC)

- ◆ Dual Gigabit Ethernet port
- ◆ Support Teaming / Load Balance / Failover

Disk Drives

- ◆ Sixteen Hot swap SATA II HDD tray
- ◆ Hardware RAID 0, 1, 5, 6, 10, support hot spare and auto rebuild
- ◆ Background RAID initialization and rebuilding
- ◆ HDD failure alarm and popup message box

Expansion

- ◆ Two PCI-e (X8 and X4) expansion slots, plus Two PCI-X and One PCI for more NIC, SCSI, iSCSI, or FC adapter

iSCSI Target

Optional iSCSI Target feature shares storage from CD/DVD/HD/Tape/RAID to unlimited client seats, in block base, with no storage capacity limitation. Extra Snapshot Creation, Restoration, and Convert-to-Full features are provided to work with Dynamic Volume Snapshot, Virtual Volume, and Incremental Backup.

Exchange Support

Deploy file, print, and Exchange Server 2003 data, up to 1500 Exchange seats onto well-managed, reliable servers that provide good performance and low operating cost.

Network Interface load balancing and Fault Tolerance

Adaptive Load Balancing enhances data throughput by automatically routing data through all platforms dual gigabit Ethernet paths. Additionally, network interface fault tolerance assures greater reliability by providing

a secondary network path, which automatically takes over if the primary network interface fails.

Backup, Restore, and Replication

Benefit from the rapid restoration of stored data. Windows Storage Server 2003 can be used for backup of multiple production servers without taking them offline. Third-party solutions from industry partners can help to ensure high data availability through replication across multiple sites.

UPS Support

Uninterruptible Power Supply (UPS) eliminates the effects of a temporary power outage and provides safe shutdown without loss of data in case of a power failure. The UPS device can be connected by a serial cable to the appliance.

Network Client Support

Microsoft Windows, Linux, Novell Netware, Sun Solaris, IBM AIX, HP UX, Mac OS X

Management

Web based Management
 Secure Admin Access
 Microsoft Management Console
 Scripted Command Line Utilities
 NT Domain Authentication
 System Log and Email Notification
 Unix Network Information Service Support

File System

Single Volume up to 64TB capacity
 Disk Quotas: User and Folder level
 Unicode Support
 Cross-platform Access Control Lists (ACL's)
 Windows SharePoint Service embedded
 SMFS (Storage Manager for SANs) provides device discovery, LUN creation, storage allocation, etc.

Redundancy

Hardware RAID Controller
 Multipath I/O (MPIO) Support
 Multiple Network Interface
 Adaptive Load Balancing
 Optional Redundant/Hot Swap power supply
 UPS (optional)

Data Protection

Volume Shadow Copy Services (VSS)
 Multiple Snapshots

Hardware base RAID 5 and RAID 6
 Replication (3rd party)

Seamless Integration

Exchange 2003 Services
 Distributed File System (DFS)
 Active Directory Service
 IP SAN Gateway
 CIFS (SMB), NFS, AppleTalk, Netware, FTP, HTTP

Hard Drive Bay	16, SATA II (3Gb/s)
Capacity	7.5TB (RAID 5, using 500GB HDD)
Processor	Xeon 3.0Ghz (up to dual Xeon CPU)
Memory	2GB (up to 16GB)
Network	Dual Gigabit Ethernet Ports (up to 6)
RAID Support	Hardware RAID 0, 1, 5, 6, 10, JBOD. Hot spare supported
Dimension	3U – 19" (W) x 25.6" (D) x 5.25" (H)
Power Supply	500W. Optional 350W x 3 Redundant
Temperature	Operating Temperature: 5°C ~ 35°C
Humidity	5% ~ 95% non-condensing
Chassis LED	Power, LAN, FAN, Temperature
HD Backplane	SATA II 3.0Gb/s Passive Backplane
HD Indicator	HDD Activity, Power on
USB 2.0	Two ports
RS232	One Port
Optional Add on Card	Ethernet NIC, U320 SCSI HBA, 2Gb/4Gb FC HBA, iSCSI HBA