

Sol NAS W4

The Sol NAS W4 is the best Network Attached Storage RAID or Gateway for SMB and enterprise. Powered by Microsoft Windows Storage Server 2003 R2, 2TB of Maximum Capacity (using 500GB SATA II HDD), multiple Snapshots support, and Web based GUI management console. Sol NAS W4 is the best choice for Network Attached Storage or NAS Gateway.

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 seamless 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.

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.

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.



Sol NAS W4 Hardware Engine

Processor

- ◆ Pentium 4 · Pentium D · Celeron D
- ◆ Support Intel Dual Core Architecture
- ◆ Support Hyper-Threading Technology

Memory

- ◆ 1GB standard, up to 8GB max capacity
- ◆ Support 400/533/667Mhz DDR2 DIMM

Network Interface Adapter (NIC)

- ◆ Two Gigabit Ethernet port + one 10/100 Fast Ethernet port
- ◆ Support Teaming / Load Balance / Failover

Disk Drives

- ◆ Four SATA HDD tray
- ◆ Software RAID 0, 1, 5 embedded
- ◆ Optional Hardware RAID 0, 1, 5, 10, support hot spare and auto rebuild, also provide HDD failure alarm and popup message box

Expansion

- ◆ One 64-bit 100/133Mhz PCI-X expansion slot for SATA RAID, more NIC, SCSI, iSCSI, or FC HBA

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
Redundant/Hot Swap power supply (optional)
UPS (optional)

Data Protection

Volume Shadow Copy Services (VSS)
Multiple Snapshots

Hardware base RAID 5
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	4, SATA II (3Gb/s), SATA I (1.5Gb/s)
Capacity	2TB. (RAID 5, using 500GB HDD)
Processor	Pentium D 3.0Ghz (up to 3.6Ghz)
Memory	1GB (up to 8GB)
Network	Dual Gigabit and one 10/100 Mbps Ethernet Ports
RAID Support	<ul style="list-style-type: none"> ◆ Software RAID 0, 1, 5 ◆ Optional Hardware RAID 0, 1, 5, 10, JBOD. w/Hot spare supported
Dimension	2U – 17.2" (W) x 22.4" (D) x 1.72" (H)
Power Supply	350W with PFC
Temperature	Operating Temperature: 5°C ~ 35°C
Humidity	5% ~ 95% non-condensing
Chassis LED	Power on, LAN Activity, ID, System Warning, HDD Activity
HD Backplane	SATA II 3.0Gb/s Passive Backplane
HD Indicator	HDD Activity, Power on
Network Ports	2 x Gigabit, 1 x Fast Ethernet 10/100
Other I/O Ports	2 x USB 2.0, 1 x RS232, 1 x VGA

