

# Simbolo NAS Series

## Simbolo

**NAS SATA II RAID subsystems**



Companies are looking for cost-effective storage solutions which can offer the best performance, high scalability and reliability. As the number of users and the amount of data grows, Network Attached Storage is becoming a critical technology and the need for an optimized solution is becoming an important requirement.

Proware delivers the Simbolo NAS subsystem together with the proNAS management solution, proNAS High-Availability and proBackup client backup solution to provide businesses with the most flexible, scalable, securable and manageable NAS environment. It helps to control the total cost of ownership for data management.

The SN-2123H is an SATA II NAS Subsystem with proNAS 1.1 operating system. It enhances system availability, and manages complex storage environments easily. For improving business productivity and minimizing business risks, SN-2123H provides a volume replication and a volume snapshot function. It is also a full featured data protection system supporting RAID levels 0, 1, 0+1, 3, 5, 6 and JBOD. It supports hot spares, automatic hot rebuild and online capacity expansion within the enclosure.

### NAS Features

- ▶ Configurable to 19" rack-mountable 2U chassis.
- ▶ Supports up to Twelve (12) 1" hot - swappable SATA II hard drives.
- ▶ Supports Tape/DAT backup/restore.
- ▶ Supports RAID levels 0, 1, 0+1, 3, 5, 6 and JBOD.
- ▶ Smart-function LCD panel for RAID setting & ENC status.
- ▶ Supports hot spare and automatic hot rebuild.
- ▶ Allows online capacity expansion within the enclosure.
- ▶ Two Gigabit Ethernet ports.
- ▶ Linux-based embedded system(128MB Disk on Module).
- ▶ Centralization of Data and Storage Management.
- ▶ Using Market-Leading Java Technology.
- ▶ Latest volume snapshot technology.
- ▶ Apply volume replication to enhance data protection.
- ▶ Support logical volume over 2TB.
- ▶ Data Backup via backup plan and scheduling.
- ▶ Enhance system configuration backup.
- ▶ Local and external account management.
- ▶ Large account import.
- ▶ Share management and permission.
- ▶ Advance ACL setting for project share.
- ▶ Support Internet Gateway function.
- ▶ On-line expansion file system.
- ▶ Support E-mail notification and system log information.
- ▶ Multi application support via proFamily.



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# Series Technical Specifications



**Model Number : SN-2123H**

**Hardware Platform**

Intel Xeon EM64T 3.0G~3.6G or above, single / dual Processor  
 Cache memory : 1GB DDR333/266 registered ECC SDRAM up to 16GB  
 Two Gigabit Ethernet ports  
 Up to Twelve 1" hot-swappable SATA-II (3Gb/s, NCQ support) hard drives  
 Real time drive activity and status indicators  
 Environmental monitoring unit  
 Two(2) 600W hot-swap power supplies with PFC  
 Expansion PCI slot for H/W upgrade  
 External SCSI for Tape backup

**RAID Controller**

Intel 80321 64 bit RISC  
 RAID level RAID 0, 1, 0+1, 3, 5, 6 and JBOD  
 Supports 128MB up to 1GB of cache ECC unbuffered  
 Supports hot spare and automatic hot rebuild  
 Allows online capacity expansion within the enclosure  
 Built-in serial port interface for remote event notification  
 Local audible event notification alarm

**Storage Management**

Volume Management  
 Disk usage statistics  
 Hot spare capability  
 Volume Snapshot  
 Volume Replication

**Connectivity**

SMB, CIFS over TCP/IP  
 NFS over UDP/IP  
 Cross platform data access  
 Novell Network support  
 FTP, HTTP file transfer  
 DHCP  
 NAT  
 Internet gateway  
 WINS Server  
 Unit acts as a DHCP server

Unit acts as a master browser

Share level security

File level security

User ID security for NFS

**Macintosh Support**

AFP over Apple Talk

AFP over TCP/IP

Mac zones

**General**

File Server Independent

Peer-to-peer operation

Localized language support

Supports NIC / trunking / load balance / fail over

Support UPS management

**System Management**

Automatic IP address configuration

Self-contained unit - no extras needed

Management through Web browser

Flash upgradeable unit

Supports Microsoft ADS / PDC and Unix NIS accounts import

SNMP / MRTG management and notification

Fail-free online firmware upgrade

Unicode support

Multi-node Management GUI

CLI management via Telnet or SSH

**Data Protection**

proNAS High Availabilty (option)

proBackup Client Backup

proNAS Data and Configuration Backup

Support Veritas BackupExec Agent

**Power requirements**

AC 90V ~ 264V Full range

8A ~ 4A , 47 ~ 63Hz

**Physical Dimension**

88(H) x 482(W) x 740(D) mm

*Specification are subject to change without notice.*

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