

# SmartNAS

New Generation of NAS  
with iSCSI RAID Enclosure



## Features

- Four-bay hot swappable network attached storage
- Enhanced system performance for storage computing
- RAID 0, 1, 5, 6, 10 and JBOD Support
- Supports SATA II hard drives and eSATA connection for easy expansion
- 802.3ad based load balancing and fail over
- RAID migration, RAID expansion
- Multilingual support

**SmartNAS4R means value.** The SmartNAS4R supports up to 8TB of capacity in a 1U rack mount form factor. This combination brings a powerful yet cost-effective network attached storage solution that is perfect for small to medium organizations. The SmartNAS4R supports iSCSI initiators, which allows servers to access it as a direct-attached-storage device over LAN or Internet with excellent transfer speeds. With this capability, users can centrally manage and deploy storage for their entire network. In addition, the SmartNAS4R is stackable, enabling users to connect their unit with up to six additional SmartNAS4Rs and manage them via a master system. With iSCSI and stackability, expanding the capacity of application servers is both quick and easy.

SmartNAS4R offers support for ext3 and ZFS file systems. Users can select the system that they require and create the needed capacity for different applications. Never has there been a NAS unit this powerful and flexible. The SmartNAS4R is also equipped with Nsync, remote data backup application. With Nsync, users can have the SmartNAS4R automatically upload files to an external storage device at a designated time. The SmartNAS4R is also capable version control via a snapshot function with the ZFS file system, allowing users to efficiently create and restore remote backups.

HARDWARE	
Processor	Intel(R) Celeron(R) M-ULV,1.5GHz
System Memory	512MB DDR2
Ethernet Ports	2, gigabit ethernet
Expansion Ports	3 USB 2.0 Host port, 1 USB 2.0 Target Port, 1 eSATA Host Port, PCI-e
Pushbutton Backup from USB	Yes
Form Factor	1U Rack Mount
Display Module	Yes
Power supply	1x 200W Fixed
Disk interface	Supports SATA II x4
System Fan	
UPS Monitoring	RS232

NETWORK FEATURES	
Ethernet Standards	802.3ab 1000BaseT multi-speed (10/100/1000)
Jumbo Frame Support	Yes
Routing	Supported
Transport Protocols	TCP/IP, Appletalk
Link Aggregation	802.3ad, load balance and fail over

ADMINISTRATION FEATURES	
Discovery/Configuration Wizard Software	Windows 2000/XP/2003/ Vista, MacOS X
Email notification & SNMP Trap	Yes
WebUI Language Support	Web-based server management Interface Supports English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian and Polish

STORAGE FEATURES	
RAID modes	RAID 0, 1, 5, 6,10,JBOD
Supported features	Multiple RAIDSet, Auto-rebuild, Hot-swappable disks, Hot spare, SMART Info, SMART Test, On line RAID Migration, On line RAID Expansion
RAID Volume Encryption	AES256bit
Power management	Disk Spindown
Bad Block Scan	Supported

SERVICES	
Client OS support	Universal
Local Filesystem support	Ext3 / XFS / ZFS, fully journalled
External Filesystems supported (USB/eSATA)	Ext3 / FAT32 / NTFS (Read Only)
File Server Protocols	SMB/CIFS, NFSv3, AFP, FTP, Secure FTP, Webdisk, Secure Webdisk
Local User Permission store	Yes
Windows NT Domain/AD Integration	Yes
Network Recycled bin	Supported
Bandwidth Throttling support	FTP, Secure FTP
Download Manager	HTTP / FTP / BT
Printer Server (IPP) for USB printers	Yes
NAS Remote Replication	Nsync/FTP
File system snapshot/ versioning	Supported via ZFS
Bi-directional USB Copy	Available 2009/8
iSCSI Target	Support Microsoft/Mac/Linux Initiators
iSCSI initiator	5 devices
DAAP Server for iTunes music streaming	Yes
Photo Web Server, UPNP AV Media Server	Yes
Mount and Share CD/DVD image	Yes
Schedule power on/off, User installed modules	Supported



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