

NASstorage™
8420R



Delivering Power of Storage *with Serial ATA*



NASstorage™
4420R



© Distinctive characteristics:

- **High-end Data Protection** adopts the most advanced SATA RAID technology and fully integrates Anti-virus engine to protect valuable data on the fly.
- **Revolutionary dual-function NAS server** integrates both On-line file service and Near-line CD/DVD caching service into one centralized storage server.
- **The world's first NAS server** utilizes advanced iSCSI technology with intelligent **Automatic SmartExtend (ASE)** mechanism to architect reliable, scaleable, and cost-effective mass storage solution over IP network.
- **Diverse backup solutions** provides full-range of data backup policy for Disk-To-CD/DVD, Disk-To-Tape, Disk-To-Disk and Server-To-Server backup solutions.

◎ Benefits of using SATA Technology

- **High Performance** - Using single device connection which eliminate the master/slave issues and allow faster transfer rate without latency and delay.
- **High Data Integrity** - Offers error checking and error correcting capabilities. The end-to-end integrity of transferred commands and data can be guaranteed across the serial bus.
- **High System Reliability** - A dedicated port for each disk drive, providing greater system reliability through individual drive and cable fault isolation.
- **High Usability** - Easier configuration and design with cables that are thinner, have smaller connectors, and are simpler to route and install.

◎ Technical Specification

Model	MacServer G4 2009	MacServer G4 2008
Appearance		
Hardware	Pentium 4 2.8GHz with 512KB L2 cache	Pentium 4 2.4GHz with 512KB L2 cache
	Support up to 2GB un-buffer ECC or non-ECC DDR 266/333 memory, 2 DIMM slots	
	On-board dual Intel Gigabit Ethernet interface	
	Integrated with a DVD/CD-RW combo drive (Optional)	
Storage	PCI expansion slot x 3	PCI expansion slot x 1
	Up to 8 hot-swappable high-capacity Serial ATA hard disk drives	Up to 4 hot-swappable high-capacity Serial ATA hard disk drives
Network Environment	Embedded SmartExtend technology to extend capacity over existing Ethernet infrastructures	
	Network Operating System Compatibility: Microsoft Windows 95/98/Me/NT/2000/XP/2003	
	UNIX: Solaris, FreeBSD, Linux, and other UNIX derivatives	
Network Protocols	MacOS 8.x, 9.x, OS X	
	TCP/IP, AppleTalk, IPX	
	HTTP, CIFS/SMB, NFS v3, NCP, FTP, AFP	
System Management	BOOTP, RARP, DHCP; DNS; WINS; SMTP; SNMP; NTP; SSL	
	Multi-lingual web-based interface for system administration	
	LCD console for setting IP addresses and displaying system information	
	User quota control and folder quota control	
	Environmental monitoring of system/CPU temperature, CPU fan speed and CPU voltages	
	NASTart, a multi-server administrative utility for quick setup, system configuration backup and remote disc caching	
Data Protection	S.M.A.R.T. disk drive monitoring for reliability	
	E-mail notification, SNMP management (MIB II) and system buzzer alerts	
	Embedded Snapshot technology for maintaining consistent backup images of file system (256 snapshots standard)	
	RAID 0, 1, 5 and JBOD with global hot-spare and RAID expansion	
	NAS-to-NAS data synchronization with SmartSync	
	Advanced RAID bad sector recovery mechanism	
Network Security	Local tape backup with SCSI tape drive support	
	CD-R/RW burning capability	
	Built-in tape backup software	
	Built-in Trend Micro antivirus software	
Multilingual Support	Integrate with Microsoft Windows NT/2000/2003 Domain and Active Directory environment	
	Support UNIX Network Information Service (NIS)	
	Support Access Control List (ACL)	
Operating Environment	Secure Sockets Layer (SSL) 128-bit encryption	
	Localized web-pages: English, Traditional Chinese, Simplified Chinese, Korean, Japanese, French, German, Italian, Spanish	
	Code-pages: English and western European, CJK DBCS, Hebrew and Arabic, Unicode	
Approvals	Operating temperature: 0 - 40 Operating Humidity: 10 - 80% non-condensing FCC Class A, cUL, UL, CE, BSMI	

Specifications and functions are subject to change without notice.