



NASStorage™
8420 Pro

Delivering Power of Storage

with Serial ATA II



NASStorage™
4420 Pro



© 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, scalable, 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 (Advanced Tapeless Backup).

◎ Benefits of using SATA II 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	NAStorage 8420 Pro	NAStorage 4420 Pro
Appearance		
Hardware	<ul style="list-style-type: none"> • Pentium 4 2.8GHz 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 Dual DL drive (Optional) • 350W Redundant Power Supply • PCI expansion slot x 3 	<ul style="list-style-type: none"> • 350W Power Supply • PCI expansion slot x 1
Storage	<ul style="list-style-type: none"> • Up to 8 hot-swappable high-capacity Serial ATA hard disk drives • Embedded SmartExtend technology to extend capacity over existing Ethernet infrastructures 	<ul style="list-style-type: none"> • Up to 4 hot-swappable high-capacity Serial ATA hard disk drives
Network Environment	<ul style="list-style-type: none"> • Network Operating System Compatibility: Microsoft Windows 95/ 98/ Me/ NT/ 2000/ XP/ 2003/ Vista • UNIX: Solaris, FreeBSD, Linux, and other UNIX derivatives • MacOS 8.x, 9.x, OS X 	
Network Protocols	<ul style="list-style-type: none"> • TCP/IP, AppleTalk, IPX • HTTP, CIFS/SMB, NFS v3, NCP, FTP, AFP • BOOTP, RARP, DHCP; DNS; WINS; SMTP, SNMP; NTP; SSL 	
System Management	<ul style="list-style-type: none"> • 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 • S.M.A.R.T. disk drive monitoring for reliability • E-mail notification, SNMP management (MIB II) and system buzzer alerts 	
Data Protection	<ul style="list-style-type: none"> • 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 • Local tape backup with SCSI tape drive support • DVD±R/RW, Dual-Layer DVD±R, CD-R/RW burning capability • Built-in tape backup software 	
Network Security	<ul style="list-style-type: none"> • Built-in Trend Micro antivirus software • Integrate with Microsoft Windows NT/2000/2003 Domain and Active Directory environment • Support UNIX Network Information Service (NIS) • Support Access Control List (ACL) • Secure Sockets Layer (SSL) 128-bit encryption 	
Multilingual Support	<ul style="list-style-type: none"> • 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 	
Operating Environment	<ul style="list-style-type: none"> • Operating temperature: 0 - 40°C • Operating Humidity: 10 - 80% non-condensing 	
Approvals	<ul style="list-style-type: none"> • FCC Class A, cUL, UL, CE, BSMI 	

Specifications and functions are subject to change without notice.



Ingrasys Technology Inc.
www.ingrasys.com
sales@ingrasys.com

Distributor: