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NAStorage 4420-Pro / 8200Pro-T5



Zur Livedemo: <http://nastorage.ingrasys.com/>

Username: test

Passwort: test

Vom robusten RAID System bis hin zum umfassenden Antiviren Schutz und einfachem SCSI Backup entwickelt sich NAStorage kontinuierlich mit den Bedürfnissen der Kunden zur Datensicherung weiter.

Die gesamte Datenschutztechnologie ist in ein kompaktes 1U Rack-Mount System integriert. NAStorage 4200R ist die 1.Wahl für Arbeitsgruppen und Behörden, für die eine Zuverlässige und in hohem Maße sichere Datenverwaltung unabdingbar ist.

- Geschützt durch Trend Micro Antivirus Technologie
- Die lokale SCSI Tape Backup Software unterstützt Super DLT, LTO und die Sony AIT Serie
- Dual Gigabit Ethernet Ports mit Fail-Over Fähigkeit
Gewährleistet eine Datenrate von bis zu 250Mbit/sec im Netzwerk
- Erhöhen sie Kapazität durch die SmartExtend Technologie
- Verwenden Sie die integrierte Backupfunktion Second Copy zur Sicherung von Desktops

Spezifikationen

Hardware

- Pentium 4 2.4GHz with 512KB L2 cache
- Support up to 2GB unbuffered ECC or non-ECC DDR 266/333 memory, 2 DIMM slots
- On-board dual Intel Gigabit Ethernet interface
 - Can integrate a DVD-ROM/CD-RW combo drive (Optional)

Storage

- Up to 4 hot-swappable high-capacity Serial ATA hard disk drives
 - Embedded SmartExtend technology to extend capacity over existing Ethernet infrastructure

Network Environment

- Network Operating System Compatibility: Microsoft Windows 95/98/Me/NT/2000/XP/Server 2003
- UNIX: Solaris, FreeBSD, Linux, and other UNIX derivatives
 - MacOS 8.x, 9.x, OS X

Network Protocols

- TCP/IP, AppleTalk, IPX
- HTTP, CIFS/SMB, NFS v3, NCP, FTP, AFP
 - BOOTP, RARP, DHCP; DNS; WINS; SMTP, SNMP; NTP; SSL

System Management

- 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 Redundancy

- 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
- CD-R/RW and DVD + RW burning capability
 - Built-in tape backup software .Optional support for Tape Libraries

Network Security

- 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



- 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

- Operating temperature: 0 – 40 °C
- 10 – 80% non-condensing

Approvals

- FCC Class A, CE, BSMI

Feature -Key Benefits

Optimized for high performance

NASStorage™ 4420 PRO provides the unprecedented throughput for file-serving, making it more cost effective than general purpose servers.

SmartExtend *

The main goal of SmartExtend is to manage storage resource for multiple NASStorage units in the network as a single IP Storage network. That's mean better resource utilization, ease of storage management and simpler expansion of storage infrastructure.

SmartSync

Enable fast data replication and NAS-to-NAS backup by employing differential block transfer to speed up the process. All the backups are kept online for easy data restoration.

Enterprise-class antivirus protection

High-performance real-time virus scanning protection with automatic virus pattern updates from Trend Micro ensuring data integrity for the NASStorage™ 4420 PRO.

Snapshot *

NASStorage™ 4420 PRO supports snapshot function which creates a read-only copy (in a flash of a second) of the contents of a NAS Server at a particular point in time. User can easily restore previous versions of files or folders without having to contact a system administrator.

NDMP

NASStorage™ 4420 PRO supports Network Data Management Protocol (NDMP) which is an open standard protocol for enterprise-wide backup of heterogeneous network-attached storage.

Distinctive characteristic

High-end Data Protection

Adopts the most advanced RAID technology with fully integrated 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

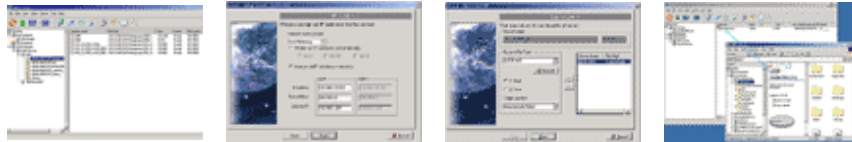
Provides full-range of data backup policy for Disk-To-CD/DVD, Disk-To-Tape, Disk-To-Disk and Server-To-Server backup solutions.

Specifications and functions are subject to change without notice.

* [Optional features - requires purchase of license](#)

NASStorage Server Discovery and Quick Setup

NASStart is an easy-to-use utility for discovering NASStorage servers and for simple setups. It is useful for first-time setups of IP addresses, server names and simple network settings. Setup wizards guide users through the configuration process, making it an easy job to set up multiple NASStorage servers.



NASStorage Server Discovery

- Finds all NASStorage servers on LAN
- Displays basic server information like the server name, the domain name and IP addresses
 - Can locate a remote NASStorage server by its IP address

Quick Setup

- Can change IP addresses, network masks and gateway IP addresses with ease
- Allows administrators to change the server name and the Windows domain
 - Optionally changes the administrator's password

System Profile Backup

- Exports the server configurations as a file
- Can import the server configuration from an external file
 - Transfers server configurations by combining the import/export functions

Second Copy Makes backup operations a breeze!

Second Copy® is the perfect backup product designed for all versions of Windows 9x/Me/NT4/2000/XP/2003/Vista you have been looking for. It makes a backup of your data files to another directory, disk or computer across the network. It then monitors the source files and keeps the backup updated with new or changed files. It runs in the background with no user interaction. So, once it is setup you always have a backup of your data some where else.



Highlights

- Windows Vista compatible
- Up to 256-bit [AES encryption](#)
- [FTP](#) support
- Enhanced compression
- [E-mail](#) notification
- Run as a service
- [Preview](#) profile activity before running
- Run profile [when files change](#)
- Disk spanning
- Windows Vista/XP style [user interface](#)
- Two-way Synchronization
- Automatic detection/deletion during synchronization
- Automatic scheduled copies
- Multi-threaded background processing
- Universal Naming Convention (UNC) support
- Password protect profiles
- Archival of up to 25 old versions
- Run profiles at Windows shutdown

[Second Copy Tour](#)

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NAStorage 8420-Pro



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Das rapide Wachstum von Network Storage führt zu einem sich ständig erhöhendem Bedarf von Storage Performance. Der NAStorage 8200 ist mit einem Performance orientiertem Design sowie einer integrierten Gigabit Schnittstelle ausgestattet um das Bedürfnis nach schnellem Datenzugriff und gleichzeitig hoher System Stabilität zu befriedigen.

- Hervorragende Network Performance mit gänzlich optimierten Design
- Einzigartiger Datenschutz mit innovativer RAID Technologie.
- Schnelle und große Volume Backups mit SCSI Tape und Tape Libraries
- High-Speed und vielseitige Daten Synchronisation
- Enterprise-Class Antiviren Schutz

- NetBench Ergebnisse von über 250 Mbits pro Sekunde
- Redundante Gigabit Ethernet Schnittstellen

- Gewährleistet RAID 0, 1, 5 um sich Ihren Management Strategien anzupassen
- Bad Sector Remapping Mechanismus um die Verfügbarkeit von RAID sicher zu stellen
- Globale Hot-Spare Festplatten für alle RAID Gruppen
- Ausgestattet mit intelligenten Hot-Swap Wechsel Rahmen

- Verbessert die Datenverfügbarkeit durch den ASR Mechanismus (Automatic SmartExtend Restoration)
- NAS Kapazität On Demand
- Zentrale Verwaltung von User Accounts, Sicherheits Einstellungen, Quota Controls und Backups

- Hoher Durchsatz im Netzwerk für schnelle Daten Synchronisation
- Ermöglicht schnelle Datenreplikation durch das einstellen von Differential Block Transfers
- Erleichtert die Datenmigration durch die gemeinsame Replikation der Daten mit den ACL Einstellu

- Bietet eine Tapeless Backup Lösung mit geringer Auswirkung auf die Netzwerkbandbreite
- Automatische Daten Distribution zu multiplen Remote Sites

- Die erste kommerzielle NAS integrierende Antivirus Software die zuverlässigen und sofortigen Virenschutz gewährleistet
- Real-Time Virus Scanning schützt Ihr NAS System rund um die Uhr vor Virus Attacken
- Beinhaltet manuelles sowie geplantes Virus Scanning um jegliche infizierte Dateien aus Ihrem NAS System auszuschließen
- Automatische Virus Pattern Updates über den Trend Micro Server halten den Virus Schutz auf dem neuesten Stand

Specification

Hardware

- Pentium 4 2.8GHz with 512KB L2 cache
- Support up to 2GB unbuffered ECC or non-ECC DDR 266/333 memory, 2 DIMM slots
- On-board dual Intel Gigabit Ethernet interface
- Can integrate a DVD-ROM/CD-RW combo drive (Optional)
 - PCI slot x 1

Storage

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Data Protection

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- 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
- CD-R/RW and DVD + RW burning capability
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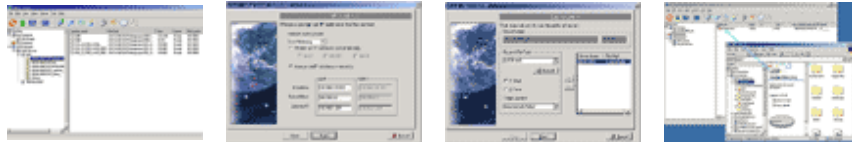
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Second Copy is a Windows client backup software developed by [Centered Systems](#). It is bundled with each NASStorage unit. For trial versions, please go to the [Centered Systems' download page](#).

