

Virtually Unlimited Storage



NASStorage™
8400R

NASStorage™
4400R

- Ingrasys's NASStorage™ 8400R/4400R incorporate the best functionalities in NAS (Network Attached Storage) market to meet the challenge for ever increasing demand for reliable, high performance, and yet easy to manage storage systems at very affordable prices.

Delivering Power of Storage



Key Benefits

■ Optimized for high performance

NASStorage™ 8400R/4400R 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 keep online for easy data restoration.

■ Enterprise-class antivirus protection

High-performance real-time virus scanning protection accompany with automatic virus pattern update from Trend Micro ensuring data integrity for the NASStorage™ 8400R/4400R.

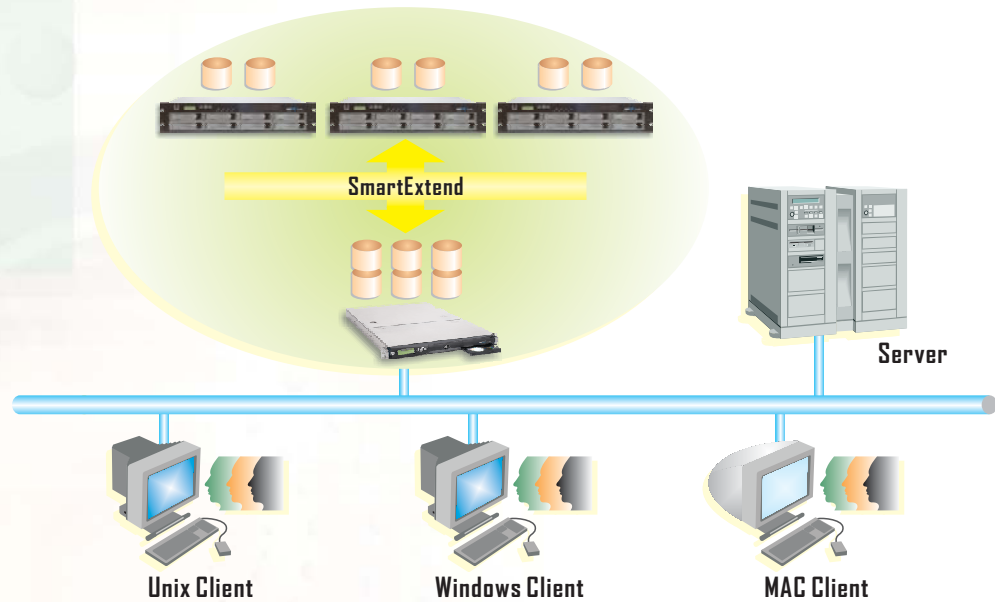
■ Snapshot[†]

NASStorage™ 8400R/4400R supports snapshot which create 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*¹

NASStorage™ 8400R/4400R supports Network Data Management Protocol (NDMP) which is an open standard protocol for enterprise-wide backup of heterogeneous network-attached storage.

SmartExtend Architecture



Technical Specification

| Model | NASStorage 8400R | NASStorage 4400R |
|-----------------------|---|---|
| Appearance |  |  |
| Hardware | 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 | |
| | DVD/CD-RW combo drive (Optional) | |
| Storage | PCI expansion slot x 3 | PCI expansion slot x 1 |
| | Up to 8 hot-swappable high-capacity hard disk drives | Up to 4 hot-swappable high-capacity 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 | |
| System Management | HTTP, CIFS/SMB, NFS v3, NCP, FTP, AFP | |
| | 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 | |
| | NASStart, 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 | |
| Approvals | Code-pages: English and western European, CJK DBCS, Hebrew and Arabic, Unicode | |
| | Operating temperature: 0 - 40°C | |
| | Operating Humidity: 10 - 80% non-condensing | |
| | FCC Class A, cUL, UL, CE, BSMI | |

Specifications and functions are subject to change without notice.

* Optional features - requires purchase of license

1 Indicates the functions will be available on Q3, 2004