

The networking storage you can count on

NASStorage 8100, the premier NAS product features the over-TB massive storage capacity and full-range of data protection to provide the cost-effective, high reliability and high performance network storage system for the fast growing network storage requirement.



NASStorage accelerates your organization productivity by enabling you to:

- * Deliver storage capacity over TB
- * Expand RAID storage capacity without downtime
- * Feature with hot-swappable HDD to maximize storage reliability
- * Accelerate network throughput with dual NIC and Gigabit Ethernet support
- * Utilize the power management support with UPS
- * Seamless integration into heterogeneous networking security
- * Archive important data to the CD writer

Full-range data protection and integrity

- * Provides RAID 0, 1, 5 data redundancy architectures to fit your data management strategy
- * Deploys multiple RAID groups simultaneously
- * Supports 8 Hot-swappable hard drives, the robust storage capacity over TB
- * Features with compact size mobile racks to equip 4 drives in 3-bay space
- * Global RAID hot-spare hard drives for all RAID 1, 5 groups
- * RAID 5 hot-expansion for RAID 5 online storage expansion
- * Built-in CD writer software
- * Remote data archiving with FISC CDH*
- * Using the journaling file system for faster recovery and data integrity from system failure and power losses

Superior system availability

- * The dual Fast Ethernet ports with failover and load balance features to offer the uninterrupted and robust access
- * The embedded system resides in and boot up from the reliable flash memory
- * System configuration can be easily backed up and restored to assure system disaster recovery
- * The power management integrates with the smart signaling UPS system
- * The redundant power supply and hot-swap cooling fans keep away from accidental power or system failure

Reduced management overhead

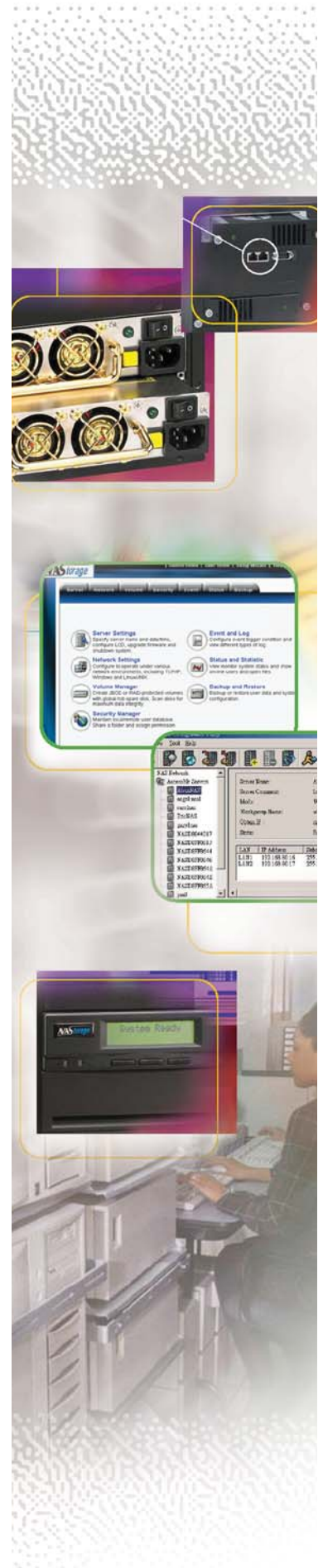
- * Equipped with LCD console for simplified initial setup and system monitoring
- * Web-based management console enables the comprehensive system management
- * NASstart quick setup wizard enables installation in just minutes
- * The built-in DHCP support can be assigned IP address automatically
- * Supports multilingual administration interface

Intelligent system monitoring and notification

- * The embedded monitoring unit of system environment to ensure non-stop operation
- * The status of various system components is real-time monitored and notified using NMS utilities, such as HP OpenView
- * The e-mail notification is used for sending alert messages about critical conditions
- * The LCD console and built-in buzzer indicate the event messages while any abnormal status occurs
- * The "Web Reminder" function can display the system events while the administrator login the system administration webpage
- * The intelligent mobile rack can indicates the HDD status for each individual drive

Best-of-breed network security integration

- * Offers file and folder level security permission for each file or folder to maximize the security flexibility for administration
- * Supports user disk quota allocation and control for effective management of storage resources
- * Employs Access Control List (ACL) to ensure appropriate access to data
- * Supports User authentication in Microsoft NT/2000 Domain and Active Directory environment



Technical Specifications

Hardware

| | |
|---------------|--|
| CPU | * Celeron Processor 1.2GHz with 256KB L2 cache |
| Memory | * Support 128MB-512MB PC-133 SDRAM |
| Network | * On-board dual Intel Fast Ethernet interface |
| | * Gigabit Ethernet interface (Optional) |
| Storage | * High Performance IDE RAID accelerator |
| | * Up to 8 ATA-100/133 high capacity hard disk drives |
| | * Support 2 IDE CD/DVD writer(s)and/or tape drive(s)* |
| Miscellaneous | * One PCI expansion slot for Gigabit Ethernet adapter |
| | * LCD console and front LED Indicators for IP setting and system information |
| | * Serial port for communicating to UPS with smart signaling |
| | * Environmental monitoring unit for monitoring system/CPU temperatures, fan speed and CPU voltages |

HDD Mobile Rack Module

- * The exclusive backplane design for HDD hot-swapping
- * Equipped with 4 one-inch disk trays
- * Ball-bearing fan for system cooling
- * LED indicators for showing the status of HDD and power
- * Safety button for HDD hot-swapping

File System

- * Journaling File System
- * Support large file system
- * Volume expansion
- * Support ISO 9660/UDF for CD/DVD

Data Redundancy

- * RAID 0, 1, 5 and JBOD
- * Support multiple RAID volumes
- * Hot-swappable hard disks with MR-4231 HDD module
- * RAID hot expansion for RAID 5
- * Support hot-spare disks with RAID 1 and 5
- * Built-in tape backup software*
- * Built-in remote data synchronization with another NASStorage or FISC CDH*

System Availability

- * Dual NICs with fail-over and load-balancing features
- * System configuration backup/restore
- * Support UPS with smart signaling

Network Environment

| | |
|--|---|
| Network Operating System Compatibility | * Microsoft Windows 95/98/Me/NT/2000/XP |
| | * UNIX: Solaris, FreeBSD, Linux, and other UNIX derivatives |
| | * MacOS 8.x, 9.x, OS X |
| Network Protocols | * TCP/IP, AppleTalk |
| | * HTTP, CIFS/SMB, NFS v3, FTP, AFP |
| | * BOOTP, RARP, DHCP; DNS; WINS; SMTP, SNMP; NTP |

Security Management

- * File/Folder/Share-level security
- * User-level security
- * Support Access Control List
- * Integrate with Microsoft NT/2000 Domain and Active Directory environment
- * User disk quota control

Directory Services

- * Microsoft Active Directory Service
- * UNIX NIS*

System Management

- * Web-based interface for system administration and alerts
- * Alert email notification
- * Run-time event logs
- * SNMP trap event notification
- * Upgradeable firmware

Multilingual Support

| | |
|--------------------|--|
| Localized web-page | * English, Traditional Chinese, Simplified Chinese, Korean, Japanese, French, German, Italian, Spanish |
| Code-pages | * English and western European, CJK DBCS, Unicode |

Bundled Software

- * NASStart software for server discovery, quick setup, and system configuration backup/restore

Operating Environment

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

Physical Specifications

| | |
|------------------|---|
| Dimension | NASStorage 8100 (Controller) |
| Power Parameters | * 41x148x287mm (H x W x D) |
| | * Standard ATX power connector |
| | * Power Consumption: 3.3V; 3A; 5V; 4A; 12V; 0.5A |
| Dimension | NASStorage 8100T (9-Bay Tower) |
| Power Parameters | * 430x175x490mm (H x W x D) |
| | * Input: 90-260V |
| | * Output: 370W |
| | * Redundant Power Supply (Optional) |
| Dimension | NASStorage 8100R (4U Rack-mount) |
| Power Parameters | * 175x490x530mm (H x W x D) |
| | * Input: 90-260V |
| | * Output: 370W |
| | * Redundant Power Supply (Optional) |
| Dimension | NASStorage-4231 (4-in-3 bay hot swap HDD Module) |
| | * 130x150x220mm (H x W x D) |

Approvals

- * FCC Class A, cJUV, UL, CE, BSMI

Warranty and Support

- * One years (parts & labor)

*** indicates the functions will be available on Q4 2002

Specifications subject to change without notification



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