

# ReadyNAS™ 1100

The Ultra Efficient 1U NAS



ReadyNAS™ 1100 was designed specifically for small businesses and workgroups. The ultra efficient, rack-mountable, 1U Network Attached Storage (NAS) appliance is cost-effective as well as rich in features, including Gigabit Ethernet, hardware RAID, continuous system monitoring and effortless Active Directory integration. With ReadyNAS, there is no additional software to install because the operating system is embedded.

## Backup and Data Archiving

A sound information lifecycle management strategy includes backup and data protection as well as archiving and long-term retention. ReadyNAS can cost-effectively help you with each. ReadyNAS 1100 fits into a standard datacenter rack, providing a perfect backup target. With the help of EMC® Retrospect® backup and recovery software, included with ReadyNAS, you can set automatic backups of all of your network clients – whether they are Windows®, Mac or Linux. Additionally, ReadyNAS includes an integrated backup manager that enables one-button or scheduled backup from your appliance to both external USB HDD and remote servers for offsite rotation. ReadyNAS can also be used for long-term storage and archiving. Whether you are looking to comply with Sarbanes-Oxley, Gramm-Leach-Bliley, HIPAA, or you simply want to exercise solid business practices.

## Hardware RAID

Supporting hardware accelerated RAID (Redundant Array of Independent Disks), ReadyNAS ensures full data redundancy with protection against hardware failure. If one drive fails, the data volumes can still be rebuilt with the remaining drives. ReadyNAS can be configured for levels 0, 1, 5 or ReadyNAS's own X-RAID™ technology. X-RAID automates the volume expansion for you when scaling from 1 HDD to 4 HDD. Start with one disk, and then add additional disks, or even upgrade to higher capacity disks later, without shuffling the data and reconfiguring the system.

## Active Directory Integration

The Sarbanes-Oxley Act and other regulations have driven company-wide policy enforcement of resource and data access. Windows Active Directory centrally organizes company credentials and permissions, and when adding devices to the infrastructure, seamless integration is very important. ReadyNAS can be integrated into Active Directory in a few keystrokes, allowing you to take full advantage of the existing permissions. If you have not deployed Active Directory, ReadyNAS can be setup with its own share and user /group permissions.

## X-Change® Rapid System Board replacement module

In addition to the ground-breaking X-RAID™ technology, the ReadyNAS 1100 has pushed the envelope even further with the introduction of the X-Change® S10 – Rapid System Board replacement module. ReadyNAS has cleverly packaged the system board, power supply and cooling fans into a discrete module. X-Change facilitates the servicing of non HDD related failures and literally takes just moments to swap out, saving man hours and minimizing downtime when it is most critical.

## Key Benefits

- ❖ Ideal for Departments and Workgroups
- ❖ Backs Up and Archives Data
- ❖ Supports RAID 0, 1, 5, X-RAID™
- ❖ Integrates into Active Directory
- ❖ Designed for Easy Servicing
- ❖ Remarkably Energy Efficient

## Efficient System Design

The rack-mountable 1U form factor of the ReadyNAS 1100 has a remarkable 12 inch depth that facilitates back-to-back arrangements. Its modular design—the system board module separates from the drive bay chassis—makes it very easy to service. The unique NAS specific processor, coupled with smart power management options, including sequence drive spin up, and idle drive spin-down, result in less than a 80 Watt power consumption.



**NETGEAR®**  
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NETGEAR ReadyNAS products now available with 3-year hardware warranty. Effective for ReadyNAS devices sold by NETGEAR since June 1, 2007.



### General

- IT1004 Network Storage Processor
- 4 Serial ATA channels
- Compatible with SATA and SATA II HDD
- Hot swappable and lockable trays
- Dual 10/100/1000 Ethernet
- 3 USB 2.0 ports
- 512MB PC2700 DDR-SDRAM SO-DIMM
- Embedded 64MB Flash Memory for OS
- Supports Windows®, Mac, Linux/UNIX clients
- DHCP server and print server
- Setup wizard and easy browser-based interface

### RAID

- Hardware X-RAID single volume auto expansion
- Multiple volume support for RAID 0, 1, 5
- Background sync and Smart Sync resume

### Volumes

- Volume management
- Single volume auto expansion (X-RAID)
- Journalled file system
- Snapshot with scheduling
- User, group, and share-level quotas

### Network File Services

- CIFS/SMB for Windows®
- AFP 3.1 for Mac OS 9/X
- NFS v2 / v3 for Linux and UNIX
- HTTP/S for web browsers
- FTP/S support

### Network Security

- Selectable Share, User, Domain/ADS modes
- Windows ACL
- Encrypted network logins
- Secure Socket Layer (SSL)

### Network Options

- DHCP or static IP
- WINS, NTP

### System Management

- Performance options
- Device status
- Email alerts and event logs
- SNMP
- RAIDar™ discovery and monitoring agent
- Frontview™ setup wizard and advanced control

### Backup

- Integrated Backup Manager
- Programmable backup button
- Full and incremental backups
- Backup to/from CIFS/NFS/FTP/HTTP & RSYNC
- Backup to/from USB disks
- Supports syncing between multiple NAS devices
- Full backup file logs
- Bundled backup software
  - EMC® Retrospect® Professional for Windows (5 users license)
  - EMC® Retrospect® Desktop for Macintosh® (5 users license)

### USB Device Supported

- USB HDD and flash drives
- Support for FAT32, Ext2, Ext3, and NTFS (read-only)
- Printers
- UPS monitoring and auto shutdown

### Languages

- Management UI: English, Japanese, Chinese, and German
- File Name: Unicode

### Web Browsers Supported

- Internet Explorer 6.0+
- Netscape Navigator 7.0+
- Opera 7.0+; Safari 1.22+
- Mozilla Firefox 1.03+

### Electrical

- Fanless server-rated AC power supply
- Input: 100 – 240 VAC, 50/60Hz

### Power Consumption

- <80 W typical (with 4 x 750GB disks)
- Power saving mode

### Thermal

- 3 Dual 40 mm ball-bearing chassis cooling fans
- Fan failure alert
- High temperature email alert with auto-shutdown option

### Operating Environmental

- 0 °C–40 °C
- Humidity: 20–80% (non-condensing)
- FCC, UL, CE, C-tick, RoHS compliance

### Physical

- Form Factor: 1U rack-mount
- Dimension: 1.7 H x 16.9 W x 12.5 D (inch)  
200 H x 132 W x 222 D (mm)
- Weight: 18 pounds (8.2 Kg) without disks

### Optional Spare Parts

- Lockable disk tray
- Dual 40 mm ball-bearing chassis cooling fan
- AC power supply
- X-Change® S10 spare system module