

Reliable, High-performance Business-class Network Storage



The ReadyNAS 3100 is a 1U 4-bay storage system designed for those seeking reliable and affordable server virtualization and file storage. The ReadyNAS unified architecture supports both NAS and SAN applications and solves numerous data management problems with a single system. Redundant power supplies deliver high reliability, and NETGEAR's RAIDiator operating system ensures stability. Integrated data protection and offsite replication features make managing complex business storage environments affordable.

- The ideal platform for first-time server virtualization projects
- Highly affordable and reliable 1U 4-bay rack-mountable unified network storage with redundant power supplies
- Built-in replication, integrated backup, and offsite options for data protection
- Cross-platform support for Windows[®], Macintosh[®] and UNIX[®]/Linux systems
- Support for both database and server virtualization applications

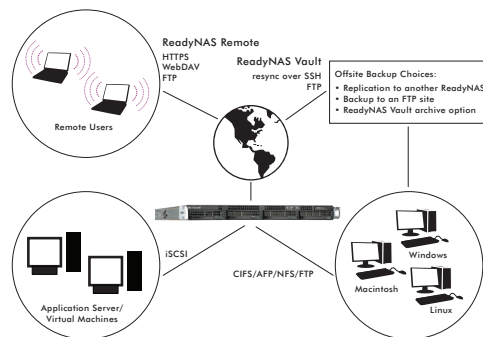
Store Centralize data from multiple local systems into one single storage device, reducing management overhead and instantly increasing reliability. Capacity can be added with zero downtime, and ReadyNAS supports file sharing and server virtualization applications like Microsoft Hyper-V™, VMware[®] or Citrix XenServer™.

Share Serve files to Windows, Macintosh and Linux/UNIX users simultaneously. Access data no matter where you are — from multiple computers, on the road, or in an alternate office location. Consolidate and eliminate file servers while hosting virtual machines at the same time. Elegantly manage capacity across your servers and clients all at the same time.

The ReadyNAS Remote feature means drag-and-drop over a secure connection between any computer and your ReadyNAS. No more firewall, VPN or awkward Web-based remote access solutions.

Protect Successful businesses understand that lost information means lost revenue. Multiple layers of protection are built into every ReadyNAS, including drive fault tolerance, redundant power supply, online backups (snapshots), and secure offsite replication to another ReadyNAS system. A ReadyNAS revolutionizes backup and recovery times and can replace tape completely, making offsite replication and backup a complete, affordable and timely reality for small business users. And support for Symantec agents makes integration with existing backup software simpler and faster.

The ReadyNAS Vault option automatically preserves multiple archive copies in a datacenter. This centralized, set-and-forget choice means no more dedicated servers, licenses or failed jobs, and captures as little or as much as you choose. Recovery can be done from any network location and is as simple as using a Web browser!



- **General**

- 1U / 4 bay form factor
- NETGEAR RAIDiator Operating System
- Setup Wizard and easy browser-based interface
- Integrates with Active Directory users and group authentication
- Intel multi-core processor
- 2 GB ECC Memory
- 4 Serial ATA channels
- Two 10/100/1000 Ethernet ports with load balancing and failover
- 2 USB 2.0 ports

- **RAID**

- X-RAID2 automatic single volume online expansion
- Multiple volume support for RAID 0, 1, 5 background sync and Smart Sync resume
- Life Support mode
- Hot swappable disks
- Hot spare disk support

- **Volumes**

- Advanced volume management (Flex-RAID)
- Journaling file system
- User and group quotas

- **Network Protocols**

- 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
- IPv6
- rsync and secure rsync
- WebDAV
- iSCSI target support for Windows, Mac and UNIX/Linux initiators

- **Network Security Modes**

- Shares
- Local users
- Active Directory/Windows Domain support
- Encrypted network logins
- Secure Sockets Layer (SSL)
- CHAP authentication for iSCSI LUN

- **Network Services**

- DHCP or static IP address assignment
- DHCP Server
- WINS Server
- NTP server synchronization
- VLAN and LACP support for load balancing and failover

- **System Management**

- Performance tuning options
- Device health status
- System configuration backup and restore
- Email alerts and event logs
- Network UPS monitoring
- SNMP

- **Backup Schema**

- Client backup target using CIFS, NFS, FTP or HTTPS
- Integrated Backup Manager for full and incremental ReadyNAS backups
 - Snapshot support for point-in-time backups of the ReadyNAS system
 - Backup to/from USB disks
 - Remote backup to CIFS, NFS, FTP and HTTPS targets
 - Remote backup to another ReadyNAS via rsync and secure rsync
- System configuration backup and restore
- Multi-system cloning
- Support of Symantec Backup Exec RALUS

- **Included Backup Software**

- CDP (continuous data protection) software for Windows and Macintosh clients
- Replication to another ReadyNAS system
- ReadyNAS Vault™ online backup with subscription option

- **Supported USB Devices**

- External USB hard drives (support for FAT32, Ext2, Ext3, and NTFS)
- UPS with monitoring and auto-shutdown

- **Power-saving Options**

- Disk spin-down
- Power-on schedule
- Wake-on-LAN

- **Supported Web Browsers**

- Internet Explorer® 7.0+
- Opera 9.5+; Safari 2.0+
- Mozilla Firefox® 2.0+

- **Languages**

- Management UI: English, German, French, Chinese, Japanese, Korean, and Russian
- File name: Unicode

- **Electrical**

- PSU: 2 x 450W server-rated auto-ranging AC power supply
- Input: 100 – 240V AC, 50/60 Hz

- **Power Consumption**

- 150W for typical operation (with 4 x 1 TB disks)
- Power-saving mode

- **Thermal**

- 3 hot swappable high-performance chassis cooling fans
- Fan failure alert
- High temperature email alert with auto-shutdown option

- **Operating Environment**

- 0° - 40° C (32° - 104° F)
- 20% – 80% humidity (non-condensing)
- FCC, CE, C-Tick, KCC, VCCI, CCC, RoHS, WEEE compliance

- **Physical** (can double density by mounting back-to-back in a 4-post rack)

- Form factor: 1U rack-mount with 4 hot-swappable SATA drive bays
- Dimension: (h x w x d)
43 x 437 x 650 mm (1.7 x 17.2 x 25.6 in)
- Weight: 19.91 kg (44 lb) with 4 disks

- **Optional Spare Parts**

- Hot swappable SATA disk tray
- High-performance chassis cooling fan
- PSU, Hot swappable, 450 Watts
- Rackmount sliding rails

- **Warranty**

- NETGEAR 5-year Warranty

- **ProSupport Service Packs Available**

- **OnCall 24x7, Category 3**
- PMB0333
- **XPressHW, Category 3**
- PRR0333

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*Basic technical support provided for 90 days from date of purchase.