



RR4360X/RR4360S

### Industry's largest Ultra High Capacity Single Node 10GbE Storage Solution for SMB

60-Bay Single Chassis, and 132-Bay with Expansion Chassis, for over 1 PetaByte data storage and backup

Ideal for multi-service, multi-tenant data center providers; virtual machine backup; disaster recovery backup target, and IP surveillance camera video storage, NETGEAR RR4360X is the market's highest density 60-Bay 10GbE Rackmount Network Storage system for Small and Medium Size Business, expandable to 132 drive bays and over 1 Petabyte of data storage and backup.

With 5 levels of unrivaled data protection, ReadyCLOUD flexible file sharing and ReadyDR backup and disaster recovery, the RR4360X Network Storage offers outstanding performance and scalability with the lowest Total Cost of Ownership (TCO) ever and the easiest management! RR4360X can now be setup, monitored and managed from the palm of your hand with NETGEAR Insight management app for iOS and Android.

The RR4360X is housed in a space-efficient 4U chassis, offering 60-bay SAS or SATAIII HDD storage capacity. It is also equipped with dual 10-Gigabit Ethernet and quad Gigabit Ethernet network interfaces, either 10-Gigabit copper with the RR4360X or 10-Gigabit SFP+ with the RR4360S model. Additionally, the RR4360X has three built-in SAS interfaces that connect to three ReadyNAS EDA2000 12-bay or EDA4000 24-bay Expansion Chassis. Fully loaded, the RR4360X offers a 132-bay single node network storage solution to any businesses that have ultra-high capacity and reliability needs. ReadyNAS 4360X is ideally suited for businesses that have ultra-large storage capacity needs and demand high levels of data reliability and security, with the lowest TCO of the market.

### All Inclusive Solution for Data Sharing, Storing & Securing



- **File Sharing:** Unified storage platform for sharing files between Windows, Mac and Linux-based computers



- **Hard Drive Redundancy:** RAID redundancy with automatic expansion and unlimited data snapshots for point-in-time restore.



- **Cloud Collaboration:** Share selected folders and files with ReadyCLOUD with partners, clients or internal teams



- **Backup & Recovery:** ReadyDR disaster recovery solution based on block level replication technology



- **High Scalability:** ReadyNAS grows with your business data with 5Bay expansion chassis availability



- **Virtualization:** Thin provisioning, iSCSI support and certified with VMware

### Key Business Features



- **Automatic Backup & Sync:** Using the ReadyCLOUD app for PC, scheduled protection is easier than ever before



- **Bit Rot Protection:** A proprietary technology protecting your files from unplanned degradation



- **Unlimited Snapshots:** Unlimited data snapshot capability for on-box protection and flexible data recovery



- **X-RAID & Instant Provisioning:** Easily expand capacity and feel confident knowing that data is always protected



- **Cloud-managed Replication:** Maintain data sets in multiple locations or ensure protection of data from remote or branch office locations



- **iSCSI and Thin Provisioning:** Powerful tools for a business taking advantage of virtual infrastructures

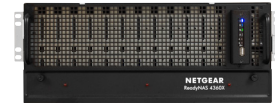
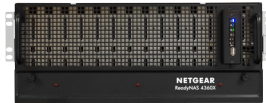


- **Anti-virus & Encryption:** Keep data protected from outside threats and safe from prying eyes



- **Modern GUI and Cloud/Remote Access from Anywhere:** Sleek modern interface and patented technology for secure remote access without configuration effort

### ReadyNAS Rackmount Model Comparison



Hardware	ReadyNAS RR4360X	ReadyNAS RR4360S
CPU	Intel Xeon E3-1225v5 3.3GHz Quad Core Processor, Max Turbo Speed 3.7GHz	Intel Xeon E3-1225v5 3.3GHz Quad Core Processor, Max Turbo Speed 3.7GHz
Memory	16GB DDR4 ECC	16GB DDR4 ECC
Memory Expansion	64GB DDR4	64GB DDR4
Drive Bays	60	60
Drive Types Supported	SAS/SATAIII 3.5" HDD or SSD	SAS/SATAIII 3.5" HDD or SSD
Hot Swappable Drives	Yes	Yes
eSATA Ports	2	2
Mini-SAS ports for Expansion Chassis, EDA2000 and EDA4000	3	3
Gigabit LAN Ports	4	4
10Gbps LAN Optical SFP+	0	2
10Gbps LAN Copper 10GBase-T	2	0
USB Ports	2x USB3.0	2x USB3.0
Power Supply	Dual Internal 700W; Input 100-240V AC, 50-60Hz	Dual Internal 700W; Input 100-240V AC, 50-60Hz
Chassis Warranty	5 years including 5 years Next Business Day hardware replacement	5 years including 5 years Next Business Day hardware replacement
Fan (mm)	3x 8038 mm (Middle) 2x 6038 mm (Rear)	3x 8038 mm (Middle) 2x 6038 mm (Rear)
Dimensions DxWxH (mm)	922 x 445 x 175	922 x 445 x 175
Weight (diskless) (kg)	33.2kg	33.2kg
Software and Functionality	ReadyNAS RR4360X	ReadyNAS RR4360S
Certification and Compatibility	VMware vSphere ESXi 6.0	VMware vSphere ESXi 6.0
Cloud-discovery, Setup and Management	Yes	Yes
Data Protection with Unlimited Snapshots	Yes	Yes
Web-managed Replication for Disaster Recovery	Yes	Yes
Real-time Antivirus	Yes	Yes
iSCSI and Thin Provisioning	Yes	Yes

### Technical Specifications

#### Data Protection (Backup & Replication)

- Unlimited block-based snapshots for continuous data protection
- Restore Snapshots to any point in time
- Restore Snapshot data from local admin GUI, ReadyCLOUD, or native Windows File Explorer
- Scheduled and manual snapshots
- File Synchronization (rsync)
- Encrypted Remote Replication
- Data compression
- Cloud managed Remote Replication (ReadyNAS to ReadyNAS). No licenses required for ReadyNAS OS 6 devices.
- AES 256-bit volume based encryption
- X-RAID (automatic single volume online expansion)
- Single Disk, JBOD
- RAID Levels: 0, 1, 5, 6, 10, 50, 60
- RAID Global Hot Spare
- Backup to external storage (USB/eSATA)
- Apple Time Machine support
- Amazon Cloud Drive synchronization (requires Amazon account)
- ReadyNAS Vault™ Cloud backup (optional service)
- Dropbox, Google Drive, Amazon AWS file synchronization (requires public cloud accounts)
- Real-time Anti-Virus scanning using signature and heuristic algorithms. (No end-user licenses required) Protection for viruses, malware, worms, and Trojans.
- Bitrot automatic detection & correction for degraded media

#### Storage Area Networks (SAN), Virtualization

- Unlimited iSCSI LUN Snapshot
- Thin or thick provision LUNs
- Multi-LUN per target
- LUN mapping and masking
- SPC-3 Persistent Reservation (iSCSI)
- MPIO and MC/S (iSCSI)
- Max # iSCSI Target: 256
- Max # iSCSI LUN: 256
- VMware vSphere 6
- Citrix XenServer 6
- Windows Server 2008 Hyper-V
- Windows Server 2008 Failover Clustering
- Windows Server 2012 R2
- Windows Server 2016

#### ReadyCLOUD (cloud access to ReadyNAS)

- ReadyCLOUD portal based data access and management
- Upgrade firmware remotely
- VPN quality remote data transfer and management
- Share data with friends & co-workers directly from portal
- Share file via email link

#### ReadyCLOUD Client Applications

- ReadyCLOUD client applications for Apple OS X, Microsoft Windows, Android, and Apple iOS
- VPN quality remote data transfer and management
- Simple remote access through ReadyCLOUD client (no firewall or router configuration needed)
- Sync files/folders between PC (Mac/Windows) & ReadyNAS
- Sync files/folders between multiple PCs and ReadyNAS
- Sync files/folders between multiple users and ReadyNAS
- Backup files/folders from PC to ReadyNAS

#### File System & Transfer Protocols

- ReadyNAS OS 6.7 or later
- Linux 4.x
- Internal File System: BTRFS
- External File System: EXT3, EXT4, NTFS, FAT32, HFS+
- Copy-on-write file system
- Microsoft Network (CIFS/SMB 3)
- Apple OS X (AFP 3.3)
- Linux/Unix (NFS v4)
- Internet (HTTP)
- Secure Internet (HTTPS)
- File Transfer Protocol (FTP)
- FTP over SSL / TLS (explicit)
- FTP Passive mode with port range setup
- FTP Bandwidth control
- FTP Anonymous
- FTP Transfer Log
- Secure Shell (SSH)
- Web Authoring (WebDAV)
- Storage Array Network (iSCSI)
- File Synchronization (rsync)
- Local web file manager

#### Users/Groups:

- Max # Users: 8192
- Max # User Groups: 8192
- Max # Share Folder: 1024
- Max # Concurrent Connections: 1024
- Share Folder Level ACL Support
- Advanced Folder Permissions with Subfolder ACL support for CIFS/SMB, AFP, FTP
- Microsoft Active Directory (AD) Domain Controller Authentication
- Local access list
- ReadyCLOUD based ACL
- Domain user login via CIFS/SMB, AFP, FTP

#### Management

- NETGEAR Insight management app for iOS and Android
- ReadyCLOUD cloud based discovery and management
- RAIDar local discovery agent (Windows/Mac)
- Save and restore system configuration (clone devices)
- Local event log
- Local Graphical User Interface (GUI) Languages: English, German, French, Japanese, Chinese (Traditional & Simplified), Russian, Swedish, Portuguese, Italian, Spanish, Polish, Czech, Dutch, Korean
- Unicode support
- Volume Management
- Thin provision Shares and LUNs
- Instant Provisioning/Expansion with data protection
- Restore to factory default
- Operating Systems supported: Microsoft Windows 7, 8/8.1, 10, Microsoft Windows Server 2008 R2/2012 R2, Windows Server 2016, Apple OS X, Linux/Unix, Solaris, Apple iOS, Google Android
- Supported Web Browsers (Microsoft Internet Explorer 9+, Microsoft Edge, Mozilla Firefox 14+, Google Chrome 50+, Apple Safari 5+)

#### System Monitoring

- Device capacity, performance, resource and health monitoring
- Bad block scan
- Hard Drive S.M.A.R.T.
- File System Check
- Disk Scrubbing
- Disk Defragment
- Volume balance
- Alerts (SMTP email, SNMP, local log)
- Auto-shutdown (hard drive, fan, UPS)
- Auto-restart on power recovery

### Technical Specifications

#### Networking Protocols

- TCP/IP
- IPv4
- IPv6
- Static IP Address
- Dynamic IP Address
- Multiple IP Settings
- DHCP Client
- UPnP Discovery
- Bonjour Discovery
- Link Aggregation IEEE 802.3ad
- Port Trunking (balanced round robin, active backup, balance xor, broadcast, 802.3ad link aggregation LACP, transmit load balancing, adaptive load balancing)
- Hash Types IEEE 802.3ad LACP or XOR (Layer 2, Layer3, Layer 4)
- Jumbo Frames
- Static routes
- Secure Shell (SSH)
- Simple Network Management Protocol v2, v3
- Network Time Protocol (NTP)

#### Media

- ReadyDLNA (UPnP DLNA Media Server)
- ReadyDLNA streams to any compliant device including Playstation and Xbox
- ReadyDLNA mobile clients for remote media streaming (iOS, Android)
- ReadyDLNA supported music formats (wav, wma, pcm, ogg, mp3, m4a, flac, aac)
- ReadyDLNA supported photo formats (jpg, jpeg)
- ReadyDLNA supported video formats (3gp, mp4, wmv, xvid, vob, ts, tivo, mts, mpeg, mpg, mp4, mov, mkv, m4v, m4p, m2t, m2ts, flv, flc, fla, divx, avi, asf)
- ReadyDLNA supported playlist formats (pls, m3u)
- ReadyNAS Surveillance (free trial, license required) supports over 70 brands and 1600 models of IP cameras
- iTunes Server
- iTunes supported audio formats (mp3, m4a, m4p, wav, aif)
- iTunes supported video formats (m4v, mov, mp4)
- iTunes supported playlist formats (m3u, wpl)
- TiVo Archiving
- Plex Media Server streams to DLNA and Plex clients (mobile, desktop, Android TV, Roku, Samsung & LG TVs)

#### Hardware

- CPU
  - ReadyNAS 4360X, 4360S: Intel Xeon E3-1225v5 3.3GHz Quad Core Processor, Max Turbo Speed 3.7GHz
- Memory
  - ReadyNAS 4360X, 4360S: 16GB DDR4 ECC
- Memory Expansion: 64GB DDR4
- Flash: 256MB for OS
- 60 Hot Swappable Drive Bays
- Drive Type: SAS/SATAIII 3.5 SSD or HDD
- Three mini-SAS ports for expansion chassis
- Two eSATA ports
- Two USB 3.0 ports
- Total solution capacity: 120TB without expansion chassis; 1.32Petabyte with 3 EDA4000, based on 10TB/HDD capacity
- RR4360X: dual 10GbE copper ports
- RR4360S: dual 10GbE SFP+ ports
- Quad Gigabit Ethernet ports with link aggregation and failover
- LEDs: Power, System, 4 x LAN
- Three 8030mm Mid-chassis fans; two 6038mm rear chassis fans
- Dimensions (DxWxH): 922mm x 445mm x 175mm
- Weight: 33.2Kg
- Dual Internal 700W; 100-240V AC input, 50-60Hz power supply unit built-in. Two additional power supply unit slots for additional power supply for redundancy
- Power cord localized to country of sale
- Rackmount sliding rail included

#### Compliance

- ENGR 10049 EST Environmental Stress Test Guideline
- ENGR 10045 EVT Engineering Validation Test Guideline
- ENGR 10048 CVT Compliance Validation Test Guideline
- ENGR 10046 System Validation Test Guideline
- ENGR 10023 HALT Accelerated Life Test Guideline
- ENGR 10036 CDG Component Derating Guideline

#### Environment

- Noise levels: <49dBA @ 25C
- Operating Temperature: 0-45C
- Operating Humidity: 20-80% relative humidity, non-condensing
- Smart Fan
- Scheduled Power on/off
- UPS Support
- Network UPS with SNMP Management
- Wake on LAN
- Hard drive disk spin down
- Auto-power on (after shutdown)
- AC Input Power Voltage 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Power Consumption (Max/Wake on LAN) RR4360X: 861 W/11.2 W
- Power Consumption (Max/Wake on LAN) RR4360S: 861 W/11.2 W
- Certification: FCC Class A, CE Class A, RoHS, VCCI Class A

#### ProSUPPORT

- OnCall 24x7 (1-year: PMB0314, 3-year: PMB0334, 5-year: PMB0354)

#### Accessories

- RTRAY07-10000S: replacement drive trays for 3.5" SSD or HDD
- RPSU06-10000S: Redundant power supply unit
- RMEM04-10000S: Replacement memory module, 8GByte DDR4 ECC for RR3312, RR4312X, RR4312S and RR4360X, RR4360S

#### Add-on Applications

- One click installation of add-on applications directly through local GUI
- Application available for productivity, media, backup, surveillance, and many others
- NETGEAR applications include Surveillance, Photo Sharing, Advanced configuration tools
- Partner applications include BitTorrent Sync, Plex, Memeo, DVblink
- Community applications include Transmission, ownCloud, qBittorrent, MySQL, VPN server, Syslog, Wordpress, Joomla, Media Wiki, and others
- Application availability subject to change
- Applications may impact overall performance
- Software Development Kit (SDK) available for 3rd party developers

