NETGEAR®
BUSINESS

RN214   RN212

ReadyNAS: Advanced Performance and Data Protection

The ReadyNAS 210 is the industry's first high performance, cost and power efficient network attached storage product that offers transcoding capability of full HD 1080p. The ReadyNAS 210 offers the industry's leading feature of 5 levels of protection on your documents, photos, videos and all types of data. The ReadyCLOUD® portal-based user interface and app on PC, Mac, smartphones and tablets make the RN210 the ideal choice for consumers because of its simplicity and ease of use.

Highlights

- Quad core ARM Cortex A15 1.4GHz processor and 2GB of RAM

- 1080p HD real-time streaming and transcoding to a remote device (VC, MP4, MPEG2/4, H.264)

- Dual Gigabit Ethernet - Up to 2x throughput in Link Aggregation mode

- Maximize simultaneous throughput with up to 200MB/s read and 160MB/s write speeds

- High performance anti-virus

- Next-gen BTRFS file system combined with other NETGEAR technologies deliver 5 levels of complete data protection

High Performance Streaming

- 1.4GHz quad core processor for accelerated read/write

- Powerful media server using Plex®, iTunes® or DLNA®

- HD media streaming to multiple devices

- 1080p real-time transcoding

- Near-0 throughput degradation anti-virus

Advanced Backup and Sync

- VPN based personal cloud – most secure and no configuration

- Create a virtual network for multiple users with sync between access portal,ReadyNAS® and PCs

- Time Machine backup support for all the Macs® in your home

- On-the-go backup of photos from your phone

- Link Aggregation enables up to 2x system throughput

5 Levels of DATA Protection

- RAID: hard drive redundancy

- Exclusive Snapshot technology for point-in-time file recovery

- Real-time anti-virus software protects against viruses and malware

- Bit rot protection defends against media degradation

- Free cloud backup for your most important files

ReadyNAS Desktop Model Comparison - 210 Series

Features	RN212	RN214
CPU	Quad core 1.4GHz High Performance ARM Cortex A15	Quad core 1.4GHz High Performance ARM Cortex A15
Memory	2GB	2GB
Drive Bays	2	4
Drive Types Supported	SATA/SSD 2.5" or 3.5"	SATA/SSD 2.5" or 3.5"
Hot Swappable Drives	Yes	Yes
Tool-less 3.5" Disk Installation	Yes	Yes
eSATA Ports	(1) eSATA	(1) eSATA
Gigabit LAN Ports	2	2
USB Ports	(3) USB 3.0	(3) USB 3.0
Max Capacity (based on 6TB drives)	12TB	24TB
Number of Concurrent Users	1-8	1-8
Power Supply	12V, 5A External 60W: input 100-240V AC, 50/60Hz	12V, 7A External 90W; input 100-240V AC, 50-60Hz
Transcoding On-the-Fly	Yes	Yes
File Transfer at AC Speeds	Yes	Yes
Chassis Warranty*	3 years	3 years
2-line LCD Display	No	Yes
Fan (mm)	92	92
Dimensions DxWxH (mm)	220 x 101 x 142	223 x 134 x 205
Weight (kg)	2.03	4.02

Technical Specifications

Media	
	Full HD 1080p wire speed streaming and transcoding to 480p (VC, MP4, MPEG2/4, H.264)
	ReadyDLNA (UPnP DLNA Media Server)
	ReadyDLNA streams to any compliant device including PS3/Xbox 360
	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, flv)
	ReadyDLNA supported playlist formats (pls, m3u)
	ReadyNAS Surveillance (1-camera license included) supports over 85 brands and 2000 models of IP cameras
	ReadyNAS Surveillance supports up to 8 cameras (optional licenses required) • RNNVR01L (Optional 1-camera license) • RNNVR02L (Optional 2-camera license) • RNNVR04L (Optional 4-camera license)
	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, Google TV, Roku, Samsung & LG TVs)
	223 x 134 x 205
	4.02
ReadyCLOUD (cloud access to ReadyNAS)	
	ReadyCLOUD portal based data access and management
	Drag-and-drop folder and file backup
	VPN quality remote data transfer and management
	Share data with friends & co-workers directly from portal
	Share files via email link
Hardware	
	Floating Point CPU
	Flash: 128MB for OS
	Dual Gigabit Ethernet ports with Link Aggregation and failover
	Programmable One-Touch USB Backup button
	Kensington Security Lock Feature
	LEDs: Power, Activity, Disk, Backup, LAN
	Power cord localized to country of sale
	Mean Time Between Failure (MTBF) Hours@ 25C: ReadyNAS 212 2,280,099
	Mean Time Between Failure (MTBF) Hours @ 25C: ReadyNAS 214 1,896,235

Technical Specifications

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

Data Protection (Backup & Replication)
Unlimited block-based snapshots for continuous data protection
Restore Snapshots from any point in time
Restore Snapshot data from local admin GUI, ReadyCLOUD access portal, or native Windows File Explorer
Scheduled and manual snapshots
rsync (File Synchronization)
Encrypted Remote Replication
Data compression
Cloud managed Remote Replication (ReadyNAS to ReadyNAS). No licenses required
AES 256-bit volume based encryption
X-RAID (automatic single volume online expansion)
Single Disk, JBOD
RAID Levels: 0, 1, 5, 6, 10 (RAID level support depends on number of drives/bays)
Backup to external storage (USB/eSATA)
USB One-Touch Copy
Apple Time Machine support
Create private Time Machine targets per user
Shared Time Machine Mode
Manage & monitor Time Machine usage per user
ReadyNAS Vault Cloud backup. Free service tier with optional capacity upgrades
DropBox file synchronization (requires DropBox account)
Real-time Anti-Virus scanning using signature and heuristic algorithms. (No end-user licenses required) Protection for viruses, malware, worms, and Trojans
Bit rot automatic protection & correction for degraded media

File System & Transfer Protocols
ReadyNAS OS 6.4.0 or later
Linux 4.x
Internal File System: BTRFS
External File System: EXT3, EXT4, NTFS, FAT32, HFS+

Technical Specifications

File System & Transfer Protocols
Copy-on-write filesystem
Microsoft Network (CIFS/SMB)
Apple OS X (AFP 3.3)
Linux/Unix (NFS v3)
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
Supported Web Browsers (Internet Explorer 10+, Mozilla Firefox 33+, Google Chrome 39+, Apple Safari 8+)

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

Networking Protocols
TCP/IP
IPv4
Next-generation Internet Protocol (IPv6)
Static IP Address
Dynamic IP Address

Technical Specifications

Networking Protocols
Multiple IP Settings
DHCP Client
UPnP Discovery
Bonjour Discovery
Link Aggregation and Port Trunking: IEEE 802.3ad link aggregation LACP, balanced round robin, active backup, balance xor, broadcast, transmit load balancing, adaptive load balancing
Hash Types IEEE 802.3ad LACP or XOR (Layer 2, Layer3, Layer 4)
Jumbo Frames
SSH
SNMP v2, v3
Network Time Protocol (NTP)

Management
ReadyCLOUD cloud based discovery and management
RAIDar local discovery agent (Windows/ Mac)
Automatic ReadyCLOUD discovery as well as RAIDar local discovery agent (Windows/ Mac)
Save and restore system configuration (clone devices)
Local event log
Connection reporting (SMB)
Local Graphical User Interface (GUI) Languages: English, German, French, Japanese, Chinese, Russian, Swedish, Portuguese, Italian, Spanish, Polish, Czech, Dutch, Korean
Unicode support
Volume Management
Thin provision Shares and LUNs

Quota Setting for Shares
Instant Provisioning/Expansion with data protection
Operating Systems supported: Microsoft Windows 7, 8/8.1, 10, Microsoft Windows Server 2008 R2/2012, Apple OS X, Linux/Unix, Solaris, Apple iOS, Google Android
Supported Web Browsers (Microsoft Internet 10+, Mozilla Firefox 33+, Google Chrome 39+, Apple Safari 8+)

Accessories
RTRAY05: Replacement/additional 3.5" or 2.5" disk drive tray

Add-on Applications
One click installation of add-on applications directly through local GUI
Applications 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, Wordpress, joomla, Media Wiki, and others.

Technical Specifications

Add-on Applications	
	Application availability subject to change.
	Applications may impact overall performance
	Software Development Kit available for 3rd party developers

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

Environment	
	Noise levels: <25dBA
	Operating Temperature: 0°-40° C
	Operating Humidity: 5-95% 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
	Certification: FCC Class B, CE Class B, RoHS, VCCI Class B

ProSUPPORT OnCall 24x7 Service Packs**		
	RN212	**RN214**
OnCall 24x7	PMB0311 (1 yr)	PMB0312 (1 yr)
	PMB0331 (3 yrs)	PMB0332 (3 yrs)
	PMB0351 (5 yrs)	PMB0352 (5 yrs)