Rack Station RS408/RS408-RP

Ultra-high-speed 1U NAS Server with Hot-swappable HDD design, 2 Gigabit LAN ports and Windows ADS Authentication for Small Businesses and Corporations

Key Features

- High Speed:
  33+ MB/Sec RAID 5 write
  55+ MB/Sec RAID 5 read
- IP Camera Video Recording
- 2 Gigabit LAN Ports
- Redundant Power Supply (RS408-RP only)
- Scheduled Power On/Off
- Power Saving (25W ~ 69.5W)
- Windows ADS Support
- Encrypted Network Backup
- Encrypted FTP with Hack Prevention

KEEPING DATA AVAILABLE 24/7
RS408/RS408-RP is designed to serve continual data access for corporate users. The hot swappable hard drives are easily replaceable when hard drive failure occurs. Data is available 24/7.

ULTRA-EFFICIENT & FLEXIBLE
RS408/RS408-RP provides ultra-speedy data transmission and powerful computing capability, which is not only suitable for corporate environments that demand on efficiency, but also a great choice for power users who massively access data on the server.

2 NETWORK INTERFACES
The 2 Gigabit LAN port design allows the RS408 to work in two subnets simultaneously or in one subnet with 2 different IP addresses. It is designed particularly for corporate environments utilizing more than one LAN.

WORK WITH WINDOWS ADS
RS408/RS408-RP is compatible with Windows ADS. Windows domain users are able to access data shared from RS408/RS408-RP when they pass the Active Directory authentication. This will greatly save your time on creating large amount of accounts for the domain users.

IP CAMERA VIDEO RECORDING
When connecting IP cameras to the network and recording the videos to the RS408/RS408-RP, Surveillance Station provides you an economical network video recording solution. On Surveillance Station , you can watch the camera-monitored area on a real-time basis, and also view and manage the recorded video clips. Feel free to choose either the continuous or motion-detection recording mode that best fits your need.

FLEXIBLE STORAGE MANAGEMENT
RS408/RS408-RP allows you to create RAID 0, RAID 1, RAID 5, or RAID 6 volume on it. Its flexib le storage management allows you to upgrade from Basic to RAID 1, or to assemble with smaller hard drives first, and later on expand the RAID 1, RAID 5, or RAID 6 volume by replacing the existing hard drives with larger ones when budget is allowed. Moreover, you can also expand the RAID 5 and RAID 6 volume by adding a hard drive on the fly.When the hard drives on RS408/RS408-RP are full, you can expand the storage capacity simply by attaching an external hard drive to the USB port of RS408/RS408-RP.

SECURITY ENHANCEMENTS
- Encrypted FTP allows you to transmit data using "FTP over SSL" or "FTP over TLS" option.
- HTTPS support encrypts all HTTP connections with SSL transport mechanism.
- Encrypted Network Backup ensures Network Backup is done with encrypted data transmission.
You no longer need to worry about critical data being exposed in danger.

TOTAL BACKUP SOLUTIONS
Data backup is so important but people tend to ignore it, RS408/RS408-RP makes data backup so complete and automatic that backups are always done without your attention. You can always find the backup alternatives that fit your needs.

- Network Backup is designed for you to back up data from RS408 to another Synology product that also supports Network Backup function or rsync-compatible server.
- Local Backup allows you to back up data from RS408 to external hard drive attached to RS408 via the USB port.
- Desktop Backup simplifies desktop backup with Synology Data Replicator 3. PC users will enjoy the easy-to-use backup tool to back up important data automatically.

SHARE FILES BETWEEN WINDOWS AND MAC
RS408/RS408-RP is designed for Windows users and Mac users to share files seamlessly. Windows users can access RS408 via Samba and FTP, and Mac users via Samba, FTP, and AFP. Unicode support allows sharing files smoothly in different languages.

Even more, File Station is a great way for you to remotely access and manage files stored on RS408/RS408-RP. Simply use a web browser to connect to RS408/RS408-RP, and you'll have total control over the files. With File Station, moving files among shared folders will now be only seconds away!

OTHER FEATURES
- Web Station with PHP+My SQL • Download Station 2 • Multimedia Service • iTunes Server
- Photo Station 3 • USB Printer Sharing

CONNECTIONS & BUTTONS

POWER LED

AC Input — Power Switch — FAN — LAN — USB 2.0 — COM Port

Power Switch & AC Input — FAN — LAN — USB 2.0 — COM Port
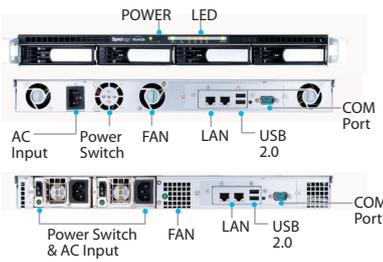
Technical Specifications

Hardware
- CPU Clock Rate: 800 MHz
- RAM Size: 512MB
- Internal HDD: 3.5" SATA(II) X4
- External HDD Interface: USB 2.0 port X2
- Size: 457.5(D) X 430.5(W) X 44(H) / 570.5(D) X 430.5(W) X 44(H)
- Weight: 7.1KG / 9.7KG
- LAN: Gigabit X2
- RS408 Fan: X3 (40 x 40mm); RS408-RP Fan: X4 (40 x 40mm)
- Noise Level[5]: RS408: 36 dB(A); RS408-RP: 42 dB(A)
- Redundant Power Supply (RS408-RP only)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- DC Output Power Voltage: ATX 2.2
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max Capacity (Internal HDD): 6 TB
- Max Supported IP Camera #: 10
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Storage Temperature: -10°C to 70°C (15°F to 155°F)
- Relative Humidity: 5% to 95%RH
- Maximum Operating Altitude: 10,000 feet

Power Consumption(1)
- 69.5W(Access); 25W(Hibernation)

Certification
- FCC Class A, CE Class A, BSMI Class A, VCCI Class A

Networking Protocols
- CIFS
- AFP (3.1)
- FTP

Windows ADS Domain Integration
- ADS Support
- Domain users login via Samba/AFP/FTP
- Synology Data Replicator 3 for Domain Users

Security
- "FTP over SSL (explicit)" or "FTP over TLS (explicit)"
- Encrypted Network Backup
- HTTPS Connection
- FTP Auto-Block

File System
- EXT3
- FAT (External Disk Only)
- NTFS (External Disk Read Only)

File Sharing
- Max User Accounts: 2,048
- Max Groups: 256
- Max Shared Folder: 200
- Max Concurrent Connections: 128

Utilities
- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector
- Add printer wizard

Applications
- Surveillance Station
- Photo Station 3
- File Station
- Audio Station
- Web Station
- PHP/MySQL
- Download Station 2
- iTunes Server

UPnP Multimedia Service Support
- Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Video Format: ASF, AVI, DAT, DivX, MP4, MPEG1, MPEG2, MPEG4, VOB, WMV, XviD
- Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO
- Playlist Format: WPL, M3U

iTunes Server Support
- Audio Format: MP3, M4A[4], M4P[4]
- Playlist Format: M3U, WPL

Audio Station Support
- Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR
- Playlist Format: M3U, WPL
- Internet Radio: SHOUTcast, Radioio

Photo Station 3 Support
- Video Format: ASF, AVI, MPEG1, MPEG4, WMV, XviD, DivX, DAT[2], MP4[2], MPEG2[2], RM[2], RMVB[2], VOB[2]
- Image Format: BMP, JPG (jpe, jpeg), GIF

Management
- AJAX-based Management UI
- BitTorrent Port Range Setup
- BitTorrent DHT Support
- CIFS Recycle Bin
- Download Station Bandwidth control
- Download Station Port Range Setup
- Editable HTTP Error Page
- Email Alert Message
- Email Notification for New User
- External HDD Hibernation (USB)
- Scheduled Power On/Off
- Firmware Upgrade
- FTP passive port range
- Hide-able Shared Folder
- Internal HDD Hibernation
- Movable Shared Folder
- Removable Default Shared Folder
- System Temperature
- Ez-Internet
- PPPoE
- Telnet/SSH Support
- UPS Management (Over USB 2.0)
- User Quota
- Web-based Download Station

RAID Management
- Volume Type: Basic, RAID 0, RAID 1, RAID 5 , RAID 6
- Upgrade from Basic to RAID 1
- Expand RAID 1, RAID 5, or RAID 6 with Larger Hard Drives
- Volume Auto-rebuild after abnormal power failure
- Expand RAID 5 by Adding a Hard Drive On The Fly

Backup Solutions
- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator 3)

3rd-Party Backup Support
- Acronis True Image
- Symantec Backup Exec
- EMC Retrospect
- LaCie SilverKeeper

Supported Clients
- Windows 2000 onward
- Mac OS X 10.3 onward

Printer Support(3)
- Max Printer #: 1
- Supported Protocols: LPR, CIFS, AppleTalk

Languages
- English, German, French, Italian, Spanish, Danish, Norwegian, Swedish, Dutch, Russian, Japanese, Korean, Traditional Chinese, Simplified Chinese.

Environment
- RoHS Compliant

Package Content
- RS408/RS408-RP Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Cord
- Rail kit (optional)
- L-type mounting brackets (optional)

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(1) Measured with 4 Seagate 750GB ST3750640NS hard drives. The figures could vary on different environments.
(2) User can click and download the file, but not play it in Photo Station as compressed Flash video.
(3) For Mac users, RS408/RS408-RP supports PostScript USB printers only.
(4) The music can be streamed, but the metadata (ex:title, album) may not be indexed on the iTunes.
(5) FAN only. Measured at 2300~6200RPM, varied among models. More details about dB(A) value, check http://www.quietnoise.com/facts.htm

Networking

External USB Disk — RS408 — USB Printer

RS408 — Wireless Router — Digital Media Adapter

PC / Mac — IP Camera — TV — Stereo System
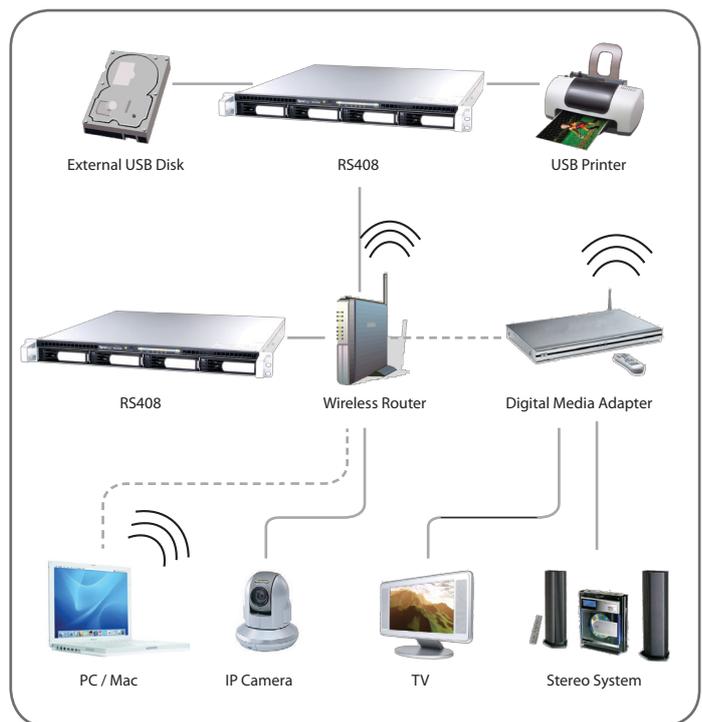
PROTECT OUR EARTH

All Synology products are designed with the concept of energy savings in mind. Compared with PC server products, Synology products consume relatively far less power than their PC counterparts. It not only saves your money, but also saves The Earth.

All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology recognizes its responsibility as a global citizen and is continually working to reduce the environmental impact of the products we create.

SYNOLOGY INC.

Synology Inc, founded in April of 2000, is dedicated to bringing a NEW NAS experience to the public. It aims to provide people with an easy-to-use, feature-rich, energy efficient, and affordable way of storing and sharing digital content. Synology products are designed with resource savings in mind - energy efficient, small footprint, and environmentally friendly. Users' investments are protected with free software upgrades and 24/7 online support. This makes Synology products an ideal choice for users from the Home, Small Workgroup, Small Business, and Corporate settings.