

# Rack Station RS409

Speedy 1U SATA NAS Server for Small-and-Medium Business Users



## Key Features

- Basic, JBOD, RAID 0/1/5/6, RAID 5+Spare Support
- Cool and Quiet
- Power-Saving (23W~52.8W)

## Shipped with Disk Station Manager 2.1 that provides:

- AJAX-Based Management Interface
- Remote File Management with a Web Browser
- Mail Station add-on with one-step installation
- IP camera support
- Website Hosting with PHP+MySQL Support
- USB Printers Sharing
- 3rd-Party Application integration

And more...

**Synology Rack Station RS409 is designed to provide users with a flexible solution to share files and increase productivity. Its high performance coupled with sophisticated Synology Disk Station Manager 2.1 provides an ideal solution for cross platform sharing, secure server backup, Windows ADS integration, business mail server, and corporate surveillance.**

### Effortless File Sharing & Backup

Synology Rack Station RS409 is designed for data storage and sharing among Windows, Mac, and Linux. Seamless file sharing across different operation systems is an effortless process.

Synology File Station 2 offers an innovative user interface with drag-n-drop and right-click capability allowing users not familiar with FTP to easily access files with a web browser.

Synology Data Replicator 3 allows Windows users to back up desktop data to the Synology Rack Station RS409. Immediate, Sync, and Scheduled Backup are fully-supported.

Synology Local Backup helps to safeguard data by backing up to external hard drives via USB interfaces with flexible scheduling options.

### Office Applications

Synology Mail Station add-on provides a one step installation and enables Synology Rack Station RS409 to be a mail server that supports Outlook-like Web mail, SMTP, POP3, and IMAP.

Synology Web Station with Virtual Host option allows users to host up to 30 websites on one single Synology Rack Station RS409. The built-in PHP+MySQL provides the ability to create interactive websites without complicated settings.

Synology Rack Station RS409 supports two USB printers simultaneously, and the Add Printer Wizard simplifies setup process with a wizard.

### 3rd-Party Application integration

Following "Synology NAS Server 3rd-Party Apps Integration Guide" on Synology website, users can customize their Synology Rack Station RS409 by installing their favorite applications.

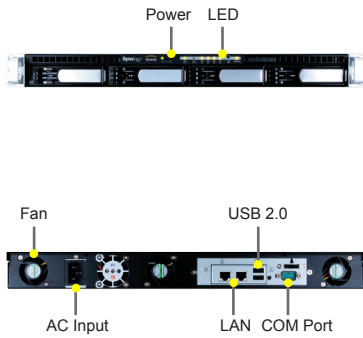
### Eco Friendly

Synology Rack Station RS409 is designed and developed perpetually with the concept of energy saving. Compared with its average PC counterparts, Synology Rack Station RS409 consumes a relatively low amount of power and hibernates when not in use. This not only helps to save energy but also extends the lifespan of the hard disk.

Synology Rack Station RS409 truly earns the title of "green product" because of the unique Scheduled Power On/Off feature, and the smart fan design effectively cools down the system with minimum power consumption, yet keeps the system quiet on operation.

Finally, 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.

## CONNECTIONS & BUTTONS



## Technical Specifications

### Hardware

- CPU: 1.2GHz, 16bit@DDR800
- RAM Size: 256MB
- Internal HDD<sup>(1)</sup>: 4X 3.5" SATA(II)
- External HDD Interface: 2X USB ports, 1X eSATA port
- Size: 44mm X 430.5mm X 457.5mm
- Weight: 7.1kg
- LAN: 2X Gigabit
- Fan: 3X (40mm X 40mm)
- Noise Level<sup>(2)</sup>: 26 dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max HDD Support (Internal HDD): 3TB
- Max Supported IP Camera: 5<sup>(7)</sup>
- 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
- Max Operating Altitude: 10,000 feet

### Power Consumption<sup>(3)</sup>

- 52.8W (Access); 23W (Hibernation)

### Certification

- FCC Class A, CE Class A

### Networking Protocols

- CIFS, AFP (3.1), FTP, NFS, Telnet/SSH

### Windows ADS Integration

- Supports up to Windows Server 2008
- Domain users login via Samba/AFP/FTP
- Synology Data Replicator 3 for Domain Users

### Security

- FTP over SSL/TLS (explicit)
- FTP Auto-Block
- Encrypted Network Backup
- Encrypted rsync
- HTTPS Connection

### File System

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

### File Sharing

- Max User Account: 2,048
- Max Group: 256
- Max Shared Folder: 256
- Max Concurrent Connections (SAMB, FTP, AFP): 128

### Utilities

- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector
- Add Printer Wizard

### Applications

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

### Packages

- Mail Station
- SqueezeCenter
- Webalizer

### UPnP Multimedia Service Support

- Sony PS3, Microsoft Xbox360
- 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
- Subtitle: srt, psb, smi, ass, ssa, sub, idx, ifo

### iTunes Server Support

- Audio Format: MP3, M4A, M4P, WAV<sup>(4)</sup>, AIF<sup>(4)</sup>
- Playlist Format: M3U, WPL

### Audio Station Support

- USB Mode: (Audio) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR (Playlist) M3U, WPL (Internet Radio) SHOUTcast, Radioio
- Streaming Mode: (Audio) MP3 (Playlist) M3U, WPL

### Photo Station 3 Support

- Video Format: ASF, AVI, MPEG1, MPEG4, WMV, XviD, DivX, FLV, DAT<sup>(5)</sup>, MP4<sup>(5)</sup>, MPEG2<sup>(5)</sup>, RM<sup>(5)</sup>, RMVB<sup>(5)</sup>, VOB<sup>(5)</sup>
- 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
- Package Management
- External HDD Hibernation
- Scheduled Power On/Off
- Firmware Upgrade
- FTP passive port range
- Internal HDD Hibernation
- Ez-Internet
- PPPoE
- UPS Management (Over USB 2.0)
- User Quota
- Web-based Download Station

### RAID Management

- Volume Type: Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 5+Spare, RAID 6
- RAID Change: Basic to RAID 1, RAID 1 to RAID 5, RAID 5 to RAID 5+Spare
- Expand with Larger Hard Drives: RAID 1, RAID 5, RAID 5+Spare, RAID 6
- Expand with More Hard Drive: RAID 5 from 3 to 4 HDDs

### Backup Solutions

- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator 3)
- 3rd-Party Backup Support

### Supported Clients

- Windows 2000 onward
- Mac OS X 10.3 onward
- Linux

### Printer Support<sup>(6)</sup>

- Max Printer #: 2
- Supported Protocols: LPR, CIFS, AppleTalk

### Languages

- English, Danish, Dutch, Norwegian, Swedish, German, French, Italian, Polish, Russian, Spanish, Korean, Traditional Chinese, Simplified Chinese, Hungarian, Turkish, Portuguese Brazil, Portuguese European

### Environment

- RoHS Compliant

### Package Content

- RS409 Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Cord
- Rail Kit (Optional)
- L-type mounting brackets (Optional)

(1) Hard drive not included.

(2) Fully loaded with Seagate 1TB ST31000520AS hard drive(s) in operation; Two G.R.A.S. Type 40AE microphones, each set up at 1 meter away from the DiskStation front and rear; Background noise: 17.2 dB(A); Temperature: 23.6°C; Humidity: 58.2%; More details about dB(A) value, check: <http://www.quietnoise.com/facts.htm>

(3) Measured with 4 Seagate 750GB ST3750640NS hard drives. The figures could vary on different environments.

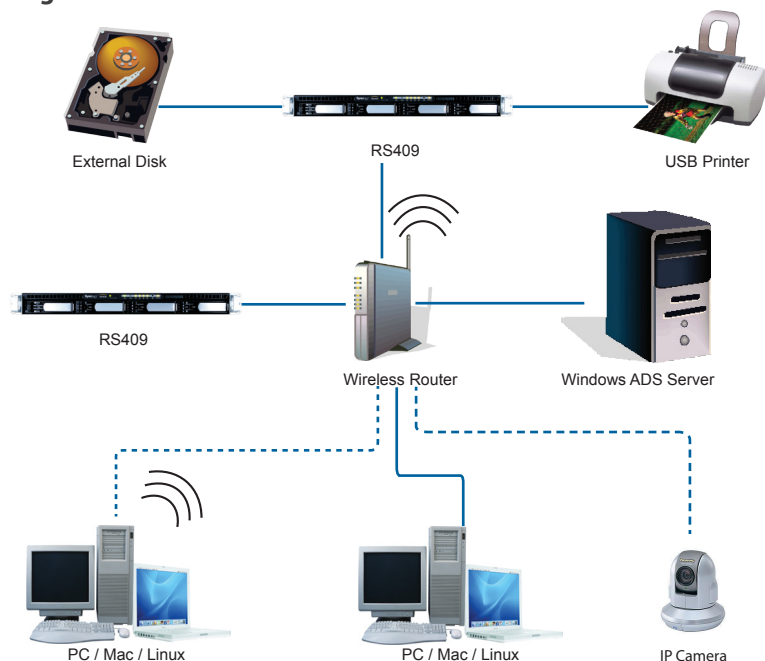
(4) The music can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.

(5) User can click and download the file, but not play it in Photo Station 3 as compressed Flash video.

(6) For Mac users, RS409 supports PostScript USB printers only.

(7) 1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.

## Networking



## SYNOLOGY INC.

Founded in 2000, Synology is a young and energetic company dedicated to developing high-performance, reliable, versatile, and environmentally-friendly Network Attached Storage (NAS) products. Our goal is to deliver user-friendly solutions and solid customer service to satisfy the needs of businesses, home offices, individual users and families.

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