Synology RackStation RS212

Feature-rich 2-bay NAS Server for Workgroups and Offices

Synology® RackStation RS212 offers an affordable and full-featured network attached storage solution, specifically designed for small business and workgroup users who need to share and protect data cost-effectively, while increasing productivity with comprehensive office applications. Running on DiskStation Manager (DSM) operating system, it delivers ease of use and variety of features.

Highlights

- 12-Inch Depth to Fit in 2-Post Rack & Wall Mount Rack
- 2 LAN with Failover and Link Aggregation Support
- VMware, Citrix, Microsoft Hyper-V compliance
- Quiet and Power-saving
- Hot-swappable Hard Drive Design
- Running on Synology DiskStation Manager (DSM)

Compact Design in 12-inch Depth

Synology RS212, a 1U 2-bay rack mount NAS server with exceptional 12 inches in depth, offers a reliable solution for small server room with limited space or industrial standard environments. Its compact size fits perfectly into 2-position Rack & Wall Mount Rack without Rail Kit installation. Designed with the concept of easy setup and maintenance, Synology RS212 comes with replaceable motherboard, hot-swappable hard drives, and all the I/O ports are placed on the front panel for quick access. It is also robust enough to withstand operating temperature up to 45 degree Celsius, offering high reliability under extreme conditions. The smart fan design keeps Synology RS212's fan spinning up at a very low speed only when needed, quiet your rack to create a calmer office working environment.

Optimal Price/Performance Ratio

With the Link Aggregation enabled, Synology RS212 delivers an average 49.5 MB/sec writing speed under RAID 1 configuration in a Windows environment, and 95.4 MB/sec reading[1]. The 2 LAN with failover support and hot-swappable drives will ensure continual service uptime should the drives need replacement or the unexpected LAN failure. Synology RS212 provides a reliable solution for data sharing with an easy to use interface, and comprehensive office applications, including a complete backup solution making it one of the best values in 2-bay rackmount NAS devices available today.

Cross Platform File Sharing

Synology RS212 offers comprehensive network protocol support, assuring seamless file sharing across Windows, Mac, and Linux platforms. Windows ADS and LDAP integration allows the Synology RS212 to quickly and easily fit into an existing business network environment with no need to recreate user accounts on the Synology RS212. Internet file access is simplified by the encrypted FTP server and the web-based file explorer, Synology File Station. HTTPS, firewall, and IP auto-block support ensure file sharing over the Internet is protected at a high security level.

For users who are always on the move, Synology provides a handy app, DS file for the users of iPhone, iPad and Android phones. Anything stored on Synology RS212 can now be accessed remotely using DS file via the Internet.

iSCSI and Virtualization Ready

With the iSCSI support in DSM, the Synology RS212 provides a seamless storage solution for virtualization servers, such as VMware, Citrix and Hyper-V. It is the ideal alternative to SAN solution for businesses. Affordable and cost-effective iSCSI allows large scale business to consolidate storage into data center storage arrays while providing hosts with the illusion of locally-attached disks.

Rich Office Applications

Synology RS212 runs on the award-winning operating system, Synology DiskStation Manager (DSM), which offers comprehensive applications and features designed specifically for office and business workgroups.

Web Station with PHP/MySQL support allows a single Synology RS212 to host up to 30 websites and numerous 3rd party web applications, such as Content Management, Customer Relationship Management & e-Commerce system. The built-in mail server turns Synology RS212 into a dedicated mail service provider, while the add-on package, Mail Station 2, provides a webmail interface for users to access emails stored on Synology RS212.

VPN Server package offers an easy VPN solution that turns your Synology RS212 into a VPN server, providing a secure way of connecting to a private LAN at a remote location.

As to environment security, Synology Surveillance Station offers a centralized interface to manage IP cameras deployed in your office or home, allowing users traveling miles away to safeguard the environment by watching live views, recording events, and taking snapshots with a computer or iOS/Android device.

Energy Efficient Design

Synology RackStations are designed and developed with energy efficiency in mind. Compared with the average PC counterparts, Synology RS212 consumes only 25 watts in operation. All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges the responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.

CONNECTIONS & BUTTONS

LAN Ports · eSATA Port · LED Indicators

HDD Trays · RESET Button · USB Ports · POWER Button

Power Port

Technical Specifications

Hardware

- CPU Frequency: 1.6 GHz
- Hardware Encryption Engine
- RAM Size: DDR3 256MB
- Internal HDD : 2X 3.5" or 2X 2.5" SATA(II) HDD/SSD (hard drives not included)
- External HDD Interface: 2X USB ports, 1X eSATA port
- Size (H X W X D): 44mm X 430.5mm X 287.5mm
- Weight: 3.12kg
- LAN: 2X Gigabit
- Link Aggreation
- Wireless Support (wireless dongles not included)
- Fan: 3X (40mm X 40mm)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max Internal Capacity: 6TB (2X 3TB hard drives) (The actual capacity differs according to volume types.)
- Operating Temperature: 0°C to 45°C (32°F to 113°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[2]: 25.3W (Access); 16W (HDD Hibernation)
- Certification: FCC Class A, CE Class A

Applications

File Station

FTP Server
- Bandwidth Control
- Custom FTP Passive Port Range
- Anonymous FTP
- Transfer Log

Mail Server
- Supported Mail Server Protocol : POP3, SMTP, IMAP

Web Station
- Virtual Host (up to 30 websites)
- PHP/MySQL
- Alternative HTTP Error Page
- 3rd-Party Applications Support

Surveillance Station
- Default IP cam #: 1
- MAX IP cam # (licenses required): 8 (1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.)

Photo Station
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Video Format: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3 (User can click and download the following video formats: RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3, but not able to play it in Photo Station as compressed Flash video.)

Download Station
- Supported Download Protocols: BT/HTTP/FTP/NZB/eMule
- Custom BitTorrent Port
- BitTorrent / eMule Bandwidth Control

Audio Station
- Supported Audio Format: (USB Mode) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR; (Streaming Mode) MP3, M4A, M4B
- Supported Playlist Format: M3U, WPL
- Internet Radio: SHOUTcast, Radioio

DLNA/UPnP Media Server
- PS3/Xbox 360 Support
- Supported Audio Format: AAC, FLAC, M4A, MP3, Ogg, Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Supported Video Format: 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD, RV30, RV40, AC3, AMR, WMA3
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Subtitles Format: srt, psb, smi, ass, ssa, sub, idx, ifo

iTunes Server
- Supported Audio Format: MP3, M4A, M4P, WAV, AIF (The music in WAV and AIF format can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.)
- Supported Video Format: M4V, MOV, MP4
- Supported Playlist Format: M3U, WPL

Printer Server
- Max Printer #: 2
- Printing Protocols: LPR, CIFS, AppleTalk AirPrint (For Mac users, RS212 supports PostScript USB printers only)
- Multi Functional Print Server

Synology Packages
- Mail Station
- Squeezebox Server
- Webalizer
- phpMyAdmin
- Time Backup
- VPN Server
- Directory Server

iPhone/Android Applications
- DS photo+
- DS audio
- DS cam
- DS file
- DS finder

General Specifications

Networking Protocols
- CIFS, AFP, FTP, iSCSI, Telnet, SSH, NFS, SNMP, WebDAV

File System
- EXT4
- EXT3 (External Disk Only)
- FAT (External Disk Only)
- NTFS (External Disk Only)

Volume Management
- Synology Hybrid RAID
- Max Volume #: 256
- Max iSCSI Target #: 10
- Max iSCSI LUN #: 256
- Volume Type: Basic, JBOD, RAID 0, RAID 1
- RAID Migration: from Basic to RAID 1
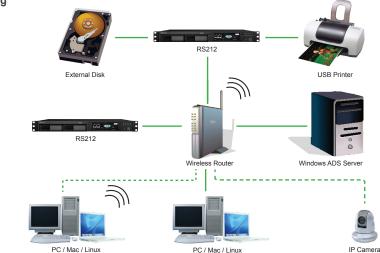- Expand RAID 1 with Larger Hard Drives

File Sharing Capability
- Max User Account #: 2048
- Max Group #: 256
- Max Shared Folder #: 256
- Max Concurrent Connections # (SAMBA, FTP, AFP): 128

Windows ADS Domain Integration
- Domain Users login via Samba/AFP/FTP/File Station

Backup Solutions
- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator or Apple Time Machine backup application)
- 3rd-Party Backup Support

Security
- FTP over SSL/TLS
- IP Auto-Block
- Firewall
- Encrypted Network Backup over Rsync
- HTTPS Connection

Management
- DSM Upgrade
- Email Notification
- SMS Notification
- Customized User Quota
- DDNS Support
- PPPoE
- Resource Monitor
- UPS Management
- Scheduled Power On/Off
- Custom Management UI HTTP/HTTPS Ports

HDD Management
- HDD Hibernation
- S.M.A.R.T.
- Dynamic Bad Sector Mapping

Utilities
- Synology Assistant
- Synology Data Replicator

Support Browsers
- Internet Explorer 7/8/9
- Firefox 3.5/3.6/4/5
- Safari 4/5 (Mac)
- Chrome

Supported Clients
- Windows 2000 onward
- Mac OS X 10.3 onward
- Ubuntu 9.04 onward

Language
- English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Environment and Packaging

Environment
- RoHS Compliant

Package Content
- RS212 Main Unit
- Installation Disc
- Welcome Note
- Assembling Kit
- AC Power Cord

Optional Accessories
- Remote
- Camera License Pack

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1. With Link Aggregation enabled. The performance figures could vary on different environments.
2. Measured with 2 Western Digital 3TB WD30EZRS hard drives. The figures could vary on different environments.

Networking

External Disk — RS212 — USB Printer

RS212 — Wireless Router — Windows ADS Server

PC / Mac / Linux · PC / Mac / Linux · IP Camera