



RackStation RS815+/RS815RP+

Synology RackStation RS815+/RS815RP+ features an all-new quad core CPU with an AES-NI hardware encryption engine, providing outstanding performance and data encryption acceleration within a 1U rackmount chassis. With four built-in Gigabit LAN ports and scalability of up to 8 drives, Synology RS815+/RS815RP+ is the ideal storage solution for centralizing data backups, protecting critical assets and sharing files across different platforms. Synology RS815+/RS815RP+ is backed with Synology's 3-year limited warranty.

Highlights

- **Quad Core CPU Delivers 389.03 MB/s Reading, 361.33 MB/s Writing**
- **AES-NI Hardware Encryption Engine Delivers 388.66 MB/s Reading, 158.9 MB/s Writing**
- **Four Gigabit LAN Ports with Failover and Link Aggregation Support**
- **Scale up to 8 Drives with Synology RX415²**
- **Expandable RAM Module (Up to 6GB)**
- **Redundant Power Supplies Ensure Service Uptime (RS815RP+ only)**
- **High Availability and SSD Read/Write Cache Support**
- **VMware[®], Citrix[®], and Microsoft[®] Hyper-V[®] Certified**
- **Running on Synology DiskStation Manager (DSM)**

Superior Performance

With a brand-new **quad core CPU**, **expandable RAM module up to 6GB**, and **four Gigabit LAN ports** supporting link aggregation and failover, Synology RackStation RS815+/RS815RP+ delivers up to an average **389.03 MB/s reading** and **361.33 MB/s writing** speed under RAID 5 configuration in a Windows[®] environment.¹ Powered by its **AES-NI hardware encryption engine**, RS815+/RS815RP+ also delivers fast encrypted data transmission at over **388.66 MB/s reading** and **158.9 MB/s writing**, becoming Synology's most powerful 1U rackmount NAS server ever-built.

Virtualization Certified

RS815+/RS815RP+ provides seamless storage solutions for virtualization environments, including **VMware[®]**, **Citrix[®]**, and **Hyper-V[®]**. Being **VMware vSphere 5[®]** and **VAAI[®]** integration certified, RS815+/RS815RP+ helps offload specific storage operations and optimizes computation power for unparalleled performance and efficiency in VMware environments. As the centralized storage of a virtual environment, RS815+/RS815RP+ enables virtual machine migration, allowing movement from server to server whilst eliminating service downtime and disruption to user. **Windows[®] Offloaded Data Transfer (ODX)** and **Synology Advanced LUN** support extremely improves the efficiency on massive data transfer and migration.

Robust & Affordable Scalability Up to 48TB

With an optional Synology expansion unit RX415, storage volume expansion for Synology RS815+/RS815RP+ is fast and easy. RX415 securely connects to a RS815+/RS815RP+ via an eSATA cable with specially-designed locking connectors and expands the existing storage on Synology RS815+/RS815RP+ up to a maximum raw capacity of 48TB.



Figure 1) Reliability, Availability & Disaster Recovery

Synology High Availability ensures seamless transition between clustered servers in the event of server failure with minimal impact to businesses.

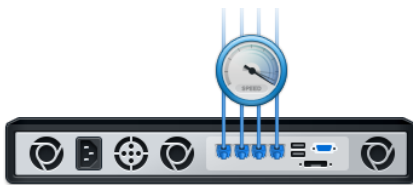


Figure 2) Superior Performance

Multiple LAN ports with link aggregation support allows RS815+/RS815RP+ to deliver superior performance.

Fit to Business Environment

Windows ADS integration allows the Synology RS815+/RS815RP+ to quickly and easily fit in an existing business network environment with no need to recreate users' accounts on the Synology RS815+/RS815RP+. The **User Home** feature minimizes the administrator's effort in creating a private shared folder for a large amount of users.

Windows ACL support on RS815+/RS815RP+ provides much finer-grained access control and efficient privilege settings, allowing IT staffs to set up privileges to files and folders on RS815+/RS815RP+ through their familiar Windows user interface. The privileges set on Windows ACL will be applied to all access entries, including AFP, FTP, File Station, NFS and WebDAV. The secure privilege offers IT staff peace of mind, no worries about any loopholes.

Resilient and Reliable

In addition to its superior performance, RS815+/RS815RP+ is built for reliability. **Four Gigabit LAN ports** provide redundancy in the event of unexpected hardware failure while hot swappable drives also help to minimize system downtime during drive replacement.

Uninterrupted availability is a critical goal for all businesses; however, many businesses worldwide still remain unprepared for disaster. **High Availability Manager** can ensure a seamless transition between clustered servers in the event of server failure with minimal impact to applications, thus decreasing the risk of unexpected interruptions and costly downtime.

Easy Backup Solutions

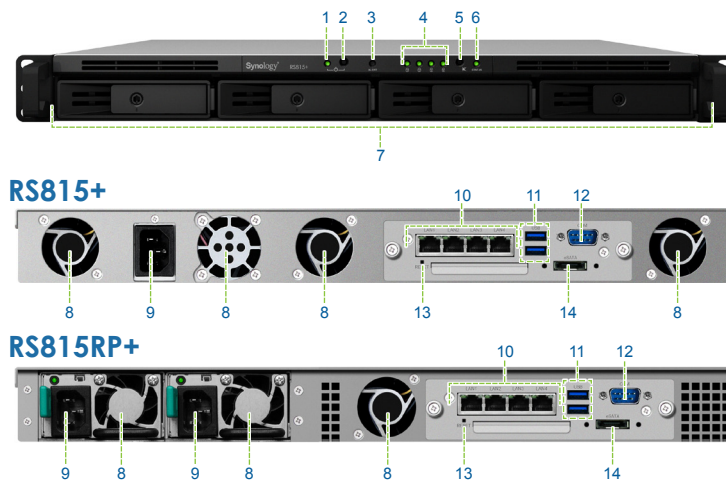
To protect your critical business data, RS815+/RS815RP+ can become a centralized backup target for consolidating fragmented and unstructured information across your network through a range of options. Advanced backup privilege management makes network backup tasks safer and efficient. **Cloud Station** with selective sync and ACL control provides real-time data backup and synchronization among multiple computers and mobile devices. Complete backup solutions including **Scheduled LUN Snapshot**, **LUN clone** and **Backup & Replication** minimize the impact of disasters.

Energy Efficient Design

Synology RS815+/RS815RP+ is designed and developed with energy efficiency in mind. Compared with the average storage server counterparts, RS815+/RS815RP+ consume a relatively low amount of power. The support of Wake on LAN/WAN and scheduled power on and off can further reduce power consumption and operation cost. HDD hibernation can be configured to take effect automatically when the system has been inactive for a specified period of time. This not only saves energy but also extends the lifespan of the hard drives.

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



Technical Specifications

Hardware

| | |
|-------------------------------|--|
| CPU | Intel Atom C2538 Quad Core 2.4GHz |
| Hardware Encryption Engine | Yes (AES-NI) |
| Floating Point Unit | Yes |
| RAM Size | DDR3 2 GB (Expandable up to 6 GB) |
| Internal HDD/SSD | 3.5" or 2.5" SATA(III) X 4 (hard drives not included) |
| Maximum Internal Raw Capacity | 24 TB (6 TB HDD X 4) (The actual capacity will differ according to volume types) |
| Hot Swappable Drive | Yes |
| External Ports | USB 3.0 ports X 2, eSATA X 1 |
| Size (HxWxD) (mm) | 44 X 430.5 X 457.5 (RS815+) 44 X 430.5 X 591.8 (RS815RP+) |
| Weight | 6.73kg (RS815+) 9.36kg (RS815RP+) |
| LAN | Gigabit X 4 |
| Wake on LAN/WAN | Yes |
| Wireless Support | Yes (wireless dongles not included) |
| AC Input Power Voltage | 100V to 240V |
| Power Frequency | 50 Hz to 60 Hz, Single Phase |
| Operating Temperature | 5°C to 35°C (40°F to 95°F) |
| Storage Temperature | -20°C to 60°C (-5°F to 140°F) |
| Relative Humidity | 5% to 95% RH |

General

| | |
|-------------------------|--|
| Networking Protocols | CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP) |
| File System | Internal: EXT4 External: EXT4, EXT3, FAT, NTFS, HFS+ |
| Storage Management | Maximum Single Volume Size: 108 TB, Maximum Internal Volume #: 512, Maximum iSCSI Target #: 32, Maximum iSCSI LUN#: 256; Raid Clone/Snapshot support; Supported RAID Type: Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10; Synology Expansion Unit Support : RX415 |
| File Sharing Capability | Maximum User Account: 2048, Maximum Group: 256, Maximum Shared Folder: 512, Maximum Concurrent CIFS/AFP/FTP Connections: 512 |
| Privilege | Windows® Access Control List (ACL) |
| Directory Service | Windows® AD Integration: Domain Users login via Samba (CIFS)/AFP/FTP/File Station, LDAP Integration |
| Virtualization | VMware vSphere® 5, Microsoft Hyper-V®, Citrix® Certified |
| Security | FTP over SSL/TLS, IP Auto-Block, Firewall, Encrypted Network Backup over Rsync, HTTPS Connection |
| Utilities | Synology Assistant, Cloud Station, Evidence Integrity Authenticator |
| Supported Clients | Windows XP® onward, Mac OS X® 10.5 onward, Ubuntu® 9.04 onward |

| | |
|--------------------|---|
| Supported Browsers | Chrome®, Firefox® Internet Explorer®: 8 or onward, Safari® 5 or onward, Safari (iOS 5 or later on iPad®), Chrome (Android™ 4.0 on tablets) |
| 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 |

Applications

| | |
|-----------------------------|--|
| File Station | Virtual Drive, Remote Folder |
| Backup Solutions | Network Backup, Local Backup, Desktop Backup, Shared Folder Sync - Maximum Task Number: 8, Configuration Backup |
| Mail Server | Supported Mail Server Protocols: POP3, SMTP, IMAP |
| FTP Server | Bandwidth Control, Custom FTP Passive Port Range, Anonymous FTP, Transfer Log |
| Web Station | Virtual Host (up to 30 websites), PHP/MySQL®, 3rd-Party Applications Support |
| Printer Server | Maximum Printer #: 2, Printing Protocols: LPR, CIFS, IPP, Apple iOS Printing, Google Cloud Print™, Multi Functional Print Server (MFP functions are for Windows PC only) |
| Log Center | SSL Connection, Log Rotation: 6 months, 1 year, 2 years, 3 years, Email Notification |
| iOS/Android™ Applications | DS audio, DS cam, DS cloud, DS download, DS file, DS finder, DS photo+, DS video, DS note |
| Windows Phone® Applications | DS audio, DS download, DS file, DS finder, DS photo+, DS video |

Add-on Packages

| | |
|--------------------------|---|
| Surveillance Station | Default IP cam #: 2, Maximum IP cam # (licenses required): 40 (with two free licenses to install two IP cameras. Additional licenses can be purchased to expand the license quota.) |
| VPN Server | Maximum Connections : 20, VPN Method: PPTP, OpenVPN™ |
| Mail Station | Webmail Interface for Mail Server, Receiving Mails from Multiple POP3 Mailboxes, Customizable SMTP Server |
| Antivirus Essential | Full System Scan, Scheduled Scan, White List Customization, Virus Definition Auto Update |
| Cloud Station | Maximum Concurrent File Transfers: 512, Retain Historical and Deleted File Versions |
| Cloud Sync | Data Sync with Public Cloud Services: Dropbox, Google Drive, Baidu, Microsoft OneDrive, Box and hubiC |
| DLNA®/UPnP® Media Server | DLNA compliant, PS3®/Xbox 360® supported |
| Download Station | Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks: 80 |
| Note Station | Rich-Text Note Organization with Versioning, Encryption, Sharing, Media Embedding and Attachments |
| Other Packages | Photo Station, Audio Station, iTunes® Server, 3rd-party packages |

Environment and Packaging

| | |
|----------------------|---|
| Environment | RoHS Compliant |
| Package Content | RS815+/RS815RP+ Main Unit, Welcome Note, Accessory Pack, AC Power Cord X 1 (RS815+), AC Power Cord X 2 (RS815RP+) |
| Optional Accessories | Remote, Camera License Pack, Synology RKS1314 - Rail Kit Sliding, Synology RKM114 - Rail Kit Mounted, Expansion Unit (RX415), 4GB DDR3 RAM Module |
| Warranty | 3 years |

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

1. Performance figures could vary on different environments.
2. RS815+/RS815RP+ supports one Synology RX415, sold separately.

SYNOLOGY INC.

Synology is dedicated to taking full advantage of the latest technologies to bring businesses and home users reliable and affordable ways to centralize data storage, simplify data backup, share and sync files across different platforms, and access data on-the-go. Synology aims to deliver products with forward-thinking features and the best in class customer services.

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