Synology®

RackStation RS815

Synology RackStation RS815 is a compact and scalable 4-bay rackmount NAS, which is designed to help businesses effectively store, protect and share data. In terms of size, RS815 is nearly half the depth compared to its predecessor. Running on Synology's award-winning DiskStation Manager, RS815 enjoys rich features and stability in situations with limited space and budget.

Highlights

- **12-Inch Depth Allows for Ultra-Dense Installation**
- **Over 216.7 MB/s Reading, 121.1 MB/s Writing[1]**
- **A Compact Feature-Rich NAS for Business**
- **Dual Core CPU with Floating-Point Unit**
- **Dual LAN with Failover and Link Aggregation Support**
- **Scale up to 64 TB of Space with Synology RX415[2]**
- **Running on Synology DiskStation Manager (DSM)**

Optimal Performance & Compact Design

As a standard 1U 4-bay rackmount NAS, Synology RS815 is powered by a **dual core CPU** featuring a built-in floating-point unit and **1GB RAM** to increase its multi-tasking ability. Synology RS815 delivers up to **216.7 MB/s reading** and **121.1 MB/s writing** speed under RAID 5 configuration in a Windows® environment.[1] With the brand-new **12-inch short depth** chassis design, RS815 can be deployed in both industrial standard environments and smaller server rooms with limited space.

Equipped with recovery mechanisms, RS815 comes with **dual LAN failover** support to ensure continual network service, two **USB3.0 ports** and support for an **optional storage expansion unit**. RS815 is definitely the top value choice 4-bay rackmount NAS server available in the market today. Running on Synology DiskStation Manager (DSM), RS815 enjoys high-end enterprise features and add-on packages available in DSM's Package Center.

Robust & Affordable Scalability Up to 64 TB

When the storage capacity of Synology RS815 is nearing its limit, additional storage space can be easily added with Synology RX415 expansion enclosure. Equipped with specially-designed locking connectors, Synology RX415 can be securely connected to RS815 via an eSATA cable. Synology RX415 provides room for an additional 32 TB volume, allowing for a maximum raw capacity of 64 TB consisting of four 16TB volumes.

Complete Backup Solutions

To protect your critical business data, RS815 can become a centralized backup target for consolidating fragmented and unstructured information across your network through a range of options.

Cloud Station comes with selective sync and ACL control provides real-time multi-version data backup and synchronization across different platforms and multiple devices. Other backup solution such as **Backup & Replication** can minimize the impact of disaster and data-loss by backing up directly to other Synology devices or rsync compatible servers.

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Cross-platform File Synchronization

Auto-synchronize your files among RackStation, PC and mobile devices using Synology Cloud Station.

Cross Platform File Sharing

Synology RS815 offers comprehensive network protocol support, assuring seamless file sharing across Windows®, Mac®, and Linux® platforms. Windows® AD and LDAP integration allows the Synology RS815 to quickly and easily fit into an existing business network environment with no need to recreate user accounts on the Synology RS815. Internet file access is simplified by using the web-based file explorer, Synology **File Station**. HTTPS, firewall, encrypted FTP server, and IP auto-block support ensure file sharing over the Internet is protected at a high level security.

For users who are always on the move, Synology provides a handy app, **DS file**, for popular mobile devices such as iPhone®, iPad®, Android™ device and Windows Phone™. Anything stored on Synology RS815 can now be accessed remotely using DS file.

24/7 Security Solution

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 mobile device. In addition to its intuitive setup and hassle-free interface, Surveillance Station features an optimized live view experience with on-screen operations, smart analytics tools like motion detection, and an alert system that sends instant notification through SMS, e-mail, and DS cam.

Rich Office Applications

Synology RS815 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 and MariaDB support allows a single Synology RS815 to host up to 30 websites and numerous 3rd party web applications, such as Content Management, Customer Relationship Management & e-Commerce system. Synology RS815 can act as a mail service provider by installing **Mail Server** package, while the **Mail Station** package provides a webmail interface for users to access emails stored on Synology RS815.

A wealth of add-on packages allows the Synology RS815 to replace several pieces of network hardware. **VPN Server** offers an easy VPN solution that turns your Synology RS815 into a VPN server, providing a secure way of connecting to a private LAN at a remote location. **RADIUS Server** strengthens network security by overseeing wireless access authentication via RADIUS (Remote Authentication Dial-In User Service) networking protocol. **Directory Server** allows Synology RS815 to host LDAP service with centralized access control, authentication, and account management, further enhancing your office management efficiency.

Anytime Availability

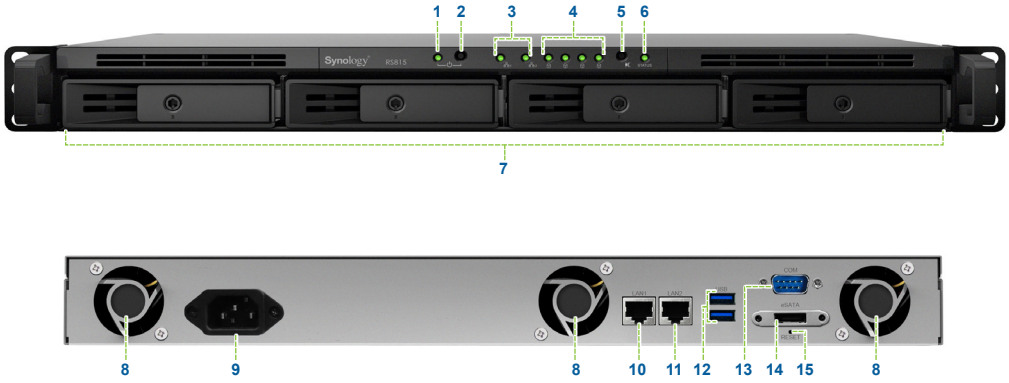
Access your RackStation anywhere using Synology mobile apps.

Energy Efficient and Environmentally Friendly

Synology RS815 is designed with energy efficiency in mind. **HDD hibernation** can be configured to take effect automatically when the system has been inactive for a specified period of time. RS815's power consumption can be reduced down to only **14.35 watts** when the hard drives are hibernating.

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



1 Power Indicator
2 Power Button
3 LAN Indicators
4 Disk Indicators
5 Beep off Button
6 Status Indicator
7 Drive Trays
8 Fans
9 Power Port
10 LAN 1
11 LAN 2
12 USB 3.0 Ports
13 Console Port
14 eSATA Port
15 RESET Button

Technical Specifications

Hardware

CPU	Marvell Armada XP MV78230 Dual Core 1.33 GHz
RAM Size	DDR3 1GB
Compatible Drive Type	3.5"/2.5" SATA3/SATA2 x 4 (hard drives not included)
Maximum Internal Raw Capacity	32 TB (8 TB HDD x 4) (The actual capacity differs according to volume types.)
External Ports	USB 3.0 port x 2, eSATA port x 1
Size (HxWxD)	44 x 430.5 x 290 mm
Weight	4.34 kg
LAN	Gigabit x 2
Wireless Support	Yes (wireless dongles not included)
Wake on LAN/WAN	Yes
Hot Swappable Drive	Yes
AC Input Power Voltage	100V to 240V
Power Frequency	50Hz to 60Hz, 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: EXT3, EXT4, FAT, NTFS, HFS+ (Read Only)
Storage Management	Max File System Size: 16TB, Max Internal Volume #: 256, Max iSCSI Target #: 10, Max iSCSI LUN#: 256, 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	Max User Account: 2048, Max Group: 256, Max Shared Folder: 256, Max Concurrent CIFS/AFP/FTP Connections: 256
Privilege	Windows Access Control List (ACL)
Directory Service	Windows AD Integration: Domain Users login via Samba (CIFS)/AFP/FTP/File Station, LDAP Integration
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 later, Safari 5 or later, 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 : 4, 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/MariaDB 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): 16 (with two free licenses to install two IP cameras. Additional licenses can be purchased to expand the license quota.)
VPN Server	Maximum Connections: 15, VPN Method: PPTP, OpenVPN™, L2TP
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
Time Backup	Maximum Task Number: 4, Multiple File Versions Retained, Instant File Restoration
Cloud Station	Maximum Concurrent File Transfers: 256; 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 compliance, PS3®/Xbox 360® Support
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks : 50
Note Station	Rich-Text Note Organization with Versioning, Encryption, Sharing, Media Embedding and Attachments
Other Packages	Photo Station, Audio Station, Video Station, iTunes® Server, 3rd-party packages

Environment and Packaging

Environment	RoHS Compliant
Package Content	RS815 Main Unit, Welcome Note, Accessory Pack, AC Power Cord
Optional Accessories	Remote, Camera License Pack, Synology RKS1314 - Rail Kit Sliding, Synology RKM114 - Rail Kit Mounted, Expansion Unit (RX415)
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 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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