



RackStation RS814

Synology® RackStation RS814 is a reliable and easily scalable 4-bay rackmount NAS designed to help businesses effectively store, protect and share data. Running on Synology's award-winning DiskStation Manager, RS814 enjoys rich enterprise features and stability under budget.

Highlights

- **Dual Core CPU with Floating-Point Unit**
- **Over 135MB/s Writing, 211MB/s Reading¹**
- **Dual LAN with Failover and Link Aggregation Support**
- **1GB RAM Boosting Multitasking Power**
- **Scale up to 32TB with Synology RX410**
- **Features SuperSpeed USB3.0**
- **Running on Synology DiskStation Manager (DSM)**

Optimal Price/Performance Ratio

A standard 1U 4-bay rackmount NAS, Synology RS814 comes equipped with the latest standards to meet ever-increasing enterprise requirements while keeping its price competitive. The dual core CPU features built-in floating-point unit that enhances its overall capability, while 1GB RAM significantly increases RS814's multi-tasking power. Synology RS814 delivers an average over 135 MB/sec writing speed under RAID 5 configuration in a Windows® environment, and over 211 MB/sec reading.¹ Coming also with dual LAN, SuperSpeed USB3.0 and optional expansion unit support, RS814 is definitely a top choice value in 4-bay rackmount NAS devices available today.

Designed with attention to recovery mechanism, RS814 comes with dual LAN failover support to ensure continual network service in case of LAN failure, while hot-swappable design facilitates easy and risk-free hard drive replacement. The brand new hard drive tray lock further secures your hard drives from unauthorized or accidental withdrawal. Running on Synology DiskStation Manager (DSM), RS814 enjoys high-end enterprise features and add-on packages available in DSM's Package Center.

Cross Platform File Sharing

Synology RS814 offers comprehensive network protocol support, assuring seamless file sharing across Windows®, Mac®, and Linux® platforms. Windows® AD and LDAP integration allows the Synology RS814 to quickly and easily fit into an existing business network environment with no need to recreate user accounts on the Synology RS814. 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.

Cloud Station allows users to sync files among multiple devices, including Windows® PC, Mac®, Linux®, iOS and Android™ tablets or phones, effortlessly keeping everything up-to-date. 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 RS814 can now be accessed remotely using DS file via the Internet.



Anytime Availability

Access your RackStation anywhere using Synology mobile apps.

Robust & Affordable Scalability Up to 32TB

When the storage capacity of Synology RS814 is nearing its limit, additional storage can be easily added with Synology RX410 expansion enclosure. Equipped with specially-designed locking connectors, Synology RX410 can be securely connected to RS814 via an eSATA cable. Synology RX410 provides room for an additional 16TB volume, allowing for a total storage capacity of 32TB consisting of two 16TB volumes.

Complete Backup Solutions

Synology RS814 offers a centralized backup target to consolidate fragmented and unstructured data across a network. PC users can back up their data to Synology RS814 using Synology Data Replicator software, and Mac OS X® users enjoy native Apple® Time Machine® integration.

A web-based backup wizard is provided for backing up data in Synology RS814 to another Synology DiskStation or any rsync server via an encrypted protocol, or to an external hard drive via USB connection. In addition, backing up to the cloud using Amazon® S3 and Glacier service is supported.

Rich Office Applications

Synology RS814 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 RS814 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 RS814 into a dedicated mail service provider, while the add-on package, Mail Station, provides a webmail interface for users to access emails stored on Synology RS814.

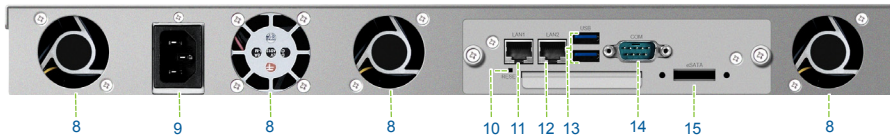
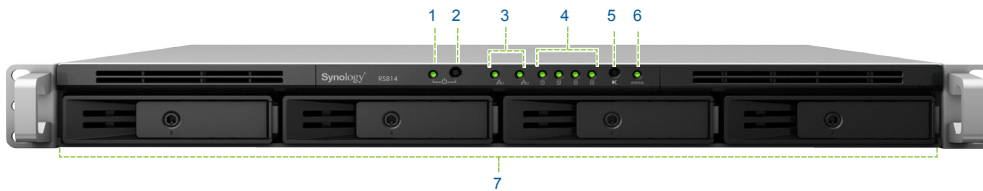
Synology Surveillance Station offers a centralized interface to manage IP cameras deployed in your office or home, allowing users traveling miles away to safeguard the environment by watching live views, recording events, and taking snapshots with a computer or mobile device.

A wealth of add-on packages allows the Synology RS814 to replace several pieces of network hardware. VPN Server offers an easy VPN solution that turns your Synology RS814 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 RS814 to host LDAP service with centralized access control, authentication, and account management, further enhancing your office management efficiency.

Energy Efficient and Environmentally Friendly

Synology RackStations are designed and developed with energy efficiency in mind. 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 Indicator
- 4 Disk Indicators
- 5 Beep off Button
- 6 Status Indicator
- 7 Hard Drive Tray
- 8 Fan
- 9 Power Port
- 10 RESET Button
- 11 LAN 1
- 12 LAN 2
- 13 USB 3.0 Port
- 14 Console Port
- 15 eSATA Port

Technical Specifications

Hardware

CPU	Marvell Armada XP Dual Core 1.33 GHz
RAM Size	DDR3 1GB
Internal HDD/SSD	3.5" or 2.5" SATA(II) X 4 (hard drives not included)
Max Internal Capacity	16TB (4TB HDD X 4) (The actual capacity differs according to volume types.)
External Device Interface	USB 3.0 port X 2, eSATA port X 1
Size (HxWxD)	44mm X 430.5mm X 457.5mm
Weight	6.37kg
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	-10°C to 70°C (15°F to 155°F)
Relative Humidity	5% to 95%RH

DSM Specifications

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
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, Synology Data Replicator 3, Cloud Station
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 (Window: Synology Data Replicator; Mac: Apple Time Machine backup application); Shared Folder Sync - Max 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/MySQL, 3rd-Party Applications Support
Printer Server	Max Printer #: 2, Printing Protocols: LPR, CIFS, IPP, iOS Printing, Google Cloud Print™, Multi Functional Print Server (MFP functions are for Windows PC only)
iOS/Android Applications	DS audio, DS cam, DS cloud, DS download, DS file, DS finder, DS photo+, DS video
Windows Phone Applications	DS audio, DS file, DS finder, DS photo+, DS video

Add-on Packages

Surveillance Station	Default IP cam #: 1, MAX IP cam # (licenses required): 16 (with one free license to install one IP camera. Additional licenses can be purchased to expand the license quota.)
Directory Server	LDAP Directory Server, Backup and Restore LDAP Database
VPN Server	Maximum Connections: 15, VPN Method: PPTP, OpenVPN™, L2TP
DHCP Server	Independent DHCP Server on Different Network Interfaces, Multiple Subnets Support, Address Reservation
Syslog Server	SSL Connection, Log Rotation, Email Notification
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
DLNA®/UPnP® Media Server	DLNA certified, PS3®/Xbox 360® Support
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks : 50
Other Packages	Photo Station, Audio Station, Video Station, iTunes® Server, 3rd-party packages

Environment and Packaging

Environment	RoHS Compliant
Package Content	RS814 Main Unit, Installation Disc, Welcome Note, Accessory Pack, AC Power Cord
Optional Accessories	Remote, Camera License Pack, RKS1314 Rail Kit Sliding, RKM114 Rail Kit Mounted
Warranty	3 years

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

1. The performance figures vary on different environments. Synology is dedicated to continual performance enhancement. Please find the latest figures on www.synology.com.

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.

Copyright © 2013, Synology Inc. All rights reserved. Synology, the Synology logo are trademarks or registered trademarks of Synology Inc. Other product and company names mentioned herein may be trademarks of their respective companies. Synology may make changes to specification and product descriptions at anytime, without notice. Printed in Taiwan.

RS814-2013-ENU-REV002

Headquarters

Synology Inc.
3F-3, No. 106, Chang An W. Rd.,
Taipei, Taiwan
Tel: +886 2 2552 1814
Fax: +886 2 2552 1824

France

39 rue Louis Blanc,
92400 Courbevoie
France
Tel: +33 147 176288

North & South America

Synology America Corp.
13343 NE Bel-Red Road,
Bellevue, WA 98005
USA
Tel: +1 425 818 1587

United Kingdom

Synology UK Ltd.
Etheridge Avenue, Brinklow,
Milton Keynes, MK10 0BP,
UK
Tel: +44 1908 587422

Germany

Synology GmbH
Grafenberger Allee 125
40237 Düsseldorf
Deutschland
Tel: +49 211 9666 9666