Synology

RackStation **RS217**

Synology RackStation RS217 is a compact and cost effective 2-bay rackmount NAS with outstanding performance, providing a smart entry into rack-level storage for small, growing businesses to effectively manage, share and sync data. Powered by the award winning DSM software, the RS217 is ready to take your business to the next level. Synology RS217 is backed with Synology's 3-year limited warranty.

Highlights

- **Compact 2-bay rackmount NAS for your small office or business**
- **Encryption performance improved by 214% to 113.09 MB/s in reading and 67.68 MB/s in writing[2]**
- **Outstanding performance at 210.87 MB/s in reading and 127.51 MB/s in writing**
- **Dual-core CPU with hardware encryption engine**
- **Dual 1GbE LAN with failover and Link Aggregation support**
- **12-inch depth to fit in 2-Post Rack & Wall Mount Rack**
- **Features SuperSpeed USB3.0 and eSATA ports for fast data transmission**
- **Hot-swappable hard drive tray design**
- **High endurance design allowing for operating temperatures up to 50°C (122°F)**

Excellent Price/Performance Ratio

Synology RS217 is an affordable and reliable solution for a small office or business. Powered by a fast, **Marvell® ARMADA™ dual core processor**, Synology RS217 is designed to maximize performance, enabling higher efficiency and cost effectiveness. Synology RS217 delivers an average of over **127.51 MB/s in writing** speed under RAID 1 configuration in a Windows® environment, and over **210.87 MB/s in reading**[1], making it one of the best values in 2-bay rackmount NAS devices available today.

Designed for reliability, RS217 comes with **dual Gigabit LAN** failover support to ensure continual network service in case of LAN failure. The **hot-swappable drive** tray design allows for easy installation and maintenance for both 2.5-inch and 3.5-inch HDDs without any additional tools. The hard drive tray lock further secures your hard drives from unauthorized or accidental withdrawal. To ensure scalability, RS217 provides an **eSATA** and **two USB 3.0** ports in the back, along with **one USB 2.0** port on the front for convenient access.

Compact 12-inch Depth

Synology RS217, a 1U 2-bay rackmount NAS server with a depth of only 12 inches, offers an affordable and comprehensive solution for both industrial standard environments and smaller server rooms with limited space. Its compact size fits perfectly into a 2-position rack and wall mount rack without the need for an additional rail kit. It is also resilient enough to withstand an operating temperature of up to 50°C/122°F, offering high reliability under extreme conditions. The improved fan design keeps Synology RS217's fan spinning at a very low speed, ensuring peace and quiet in the work environment at just **25.8dB(a)** .

Comprehensive Office Applications

With Synology RS217 and its rich business applications, you can boost personal productivity and more importantly, work more efficiently. **SpreadSheet** allows you to create, edit and simultaneously collaborate on a spreadsheet with multiple users on any browser, and share it with a specific group of people effortlessly. **VPN Server** offers an easy VPN solution, providing a secure way of connecting to a private LAN from a remote location. **RADIUS Server** strengthens network security by overseeing wireless access authentication via the RADIUS (Remote Authentication Dial-In User Service) networking protocol. **Surveillance Station** offers a centralized interface to manage IP cameras deployed in your office or home, allowing users traveling miles away to safeguard their personal environment by watching live views, recording events, and taking snapshots with a computer or iOS/Android device.

Cross-platform File Synchronization

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

Anytime Availability

Access your RackStation anywhere using Synology mobile apps.

Cross-Platform File Sharing and Data Synchronization

Synology RS217 supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows®, Mac®, and Linux® platforms. **Windows AD** and **LDAP integration** allow RS217 to fit quickly and effortlessly into any existing network environment without the necessity to recreate user accounts. **Cloud Sync** keeps your Dropbox, Google™ Drive, Microsoft OneDrive, Baidu and Box storages in sync with your Synology NAS at home. The **Cloud Station Suite** allows you to sync files among multiple devices — Windows PC, Mac, Linux, iOS or Android™ tablets/phones — effortlessly keeping everything up-to-date. All file sharing over the Internet is protected at a high security level with the HTTPS, firewall, and IP auto-block mechanisms supported by RS217.

Easy and Smart Backup Solutions

With block-level incremental backup and cross-version deduplication, **Synology Hyper Backup** provides multi-version backup with optimized storage utilization and allows multiple backup destinations to local shared folders, external hard drives, network shared folders, rsync servers, and public cloud services. **Hyper Backup Vault** provides an overview of all the backup history and storage consumption of each backup task.

Anywhere/Anytime Availability

QuickConnect and **EZ-Internet** configure your RS217 to be accessed over the Internet with minimal effort. Multimedia content is easily accessible via Synology's popular mobile apps like **DS photo**, **DS audio**, and **DS video**. Other apps, like **DS get**, **DS file**, and **DS cloud**, allow file download/access/synchronization from anywhere at anytime.

Energy Efficient and Easy Management Design

Synology RS217 is designed and developed with energy efficiency in mind. Compared with its other rackmount storage server counterparts, RS217 consumes only 21.25W in regular operation. 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 disks.

All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges its responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.

Connections & Buttons
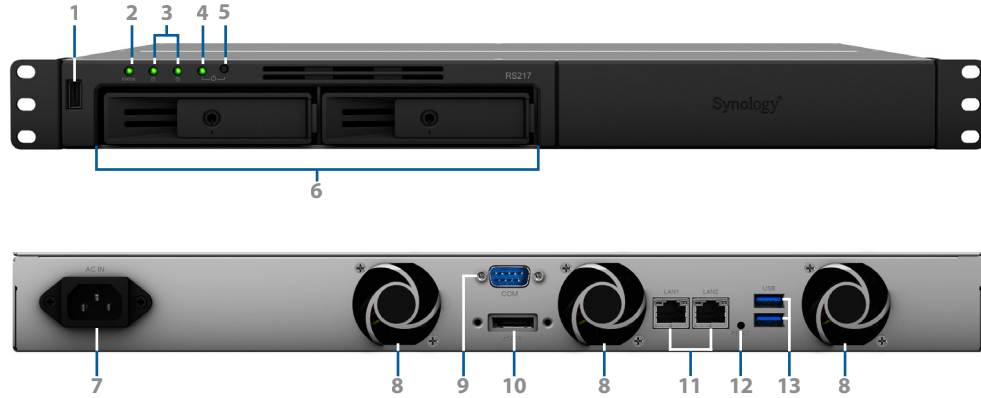
1	USB 2.0 port	2	Status indicator	3	Disk indicator	4	Power indicator
5	Power button	6	Drive tray	7	Power port	8	Fan
9	Console port	10	eSATA port	11	LAN (RJ-45) port	12	Reset button
13	USB 3.0 port						

Technical Specifications

Hardware

CPU	Marvell ARMADA 385 88F6820 dual-core 1.33GHz
Hardware encryption engine	Yes
RAM size	DDR3 512MB
Compatible drive type	3.5"/2.5" SATA x 2 (hard drives not included)
Maximum internal raw capacity	20TB (10TB HDD x 2) (actual capacity depending on volume types)
External ports	USB 3.0 port x 2, USB 2.0 port x 1, eSATA port x 1
Size (HxWxD)	44 mm x 435.6 mm x 291.3 mm
Weight	3.46 kg
LAN	Gigabit (RJ-45) x 2
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
AC input power voltage	100V to 240V
Power frequency	50Hz to 60Hz, single phase
Operating temperature	5°C to 50°C (40°F to 122°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+ (read only), exFAT[3]
Storage management	Maximum single volume size: 16TB, Maximum internal volume: 256, Maximum iSCSI Target: 10, Maximum iSCSI LUN: 10
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
File sharing capability	Maximum user account: 2048, Maximum group: 256, Maximum shared folder: 256, Maximum concurrent CIFS/AFP/FTP/File Station connection: 128
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 Web Assistant, Cloud Station Drive, Cloud Station Backup, Cloud Sync Decryption Tool, Evidence Integrity Authenticator, Photo Station Uploader
Supported clients	Windows 7 onwards and Mac OS X® 10.10 onwards
Supported browsers	Chrome™, Firefox®, Internet Explorer® 9 onwards, Safari® 8 onwards, Safari (iOS® 7 onwards on iPad®), Chrome (Android 4.0 onwards 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, Windows ACL editor, compress/extract archived files, bandwidth control for specific users or groups, create sharing links, transfer logs
Backup solutions	Network backup; local backup; desktop backup; configuration backup; OS X Time Machine; backup data to public cloud; shared folder sync - maximum task number: 4
FTP Server	Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocols, boot over the network with TFTP and PXE support, transfer logs
Printer Server	Maximum printer: 2, printing protocols: LPR, CIFS, IPP, iOS printing, Google Cloud Print™, multi functional print server (MFP functions are for Windows PC only)
Security Advisor	Malware detection/removal, user account/password, network, system-related security scan
iOS/Android™ applications	DS cloud, DS file, DS finder, DS cam, DS note, DS audio, DS get, DS photo, DS video
Windows Phone® applications	DS file, DS finder, DS audio, DS get, DS photo, DS video

Add-on Packages

Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Cloud Station Server	Maximum concurrent file transfers: 256, retain historical and deleted file versions
Cloud Sync	One or two-way synchronization with public cloud storage providers including Amazon Cloud Drive, Amazon S3-compatible storage, Baiduyun, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, Megafon Disk, Microsoft OneDrive, OpenStack Swift-compatible storage, WebDAV servers, Yandex Disk
DLNA/UPnP® Media Server	DLNA certified, PS3®/PS4®/Xbox 360®/Xbox One® support
Download Station	Supported download protocols: BT/HTTP/FTP/NZB/eMule Maximum concurrent download task: 30
Log Center	SSL connection, log rotation: 6 months, 1 year, 2 years, 3 years, email notification
Note Station	Rich-text note organization with versioning, encryption, sharing, media embedding and attachments
Storage Analyzer	Volume and quota usage, total size of files, volume usage and trends based on past usage, size of shared folders, largest/most/least frequently modified files
Surveillance Station	Maximum IP camera: 16 (total of 480 FPS at 720p, H.264) (Including two free camera licenses. Procurement of additional licenses is required.)
VPN Server	Maximum connections: 5; supported VPN protocols: PPTP, OpenVPN™, L2TP
Web Station	Virtual host (up to 30 websites), PHP/MariaDB®, 3rd-party applications support
Other packages	Photo Station, Audio Station, iTunes® Server, 3rd-party packages

Environment and Packaging

Environment	RoHS Compliant
Package content	RS217 main unit, Quick Installation Guide, accessory pack, AC power cord
Optional accessories	Camera License Pack, VS360HD
Warranty	3 Years

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.
1. Performance figures may vary depending on environment, usage and configuration.
2. Compared to RS214.
3. exFAT Access is purchased separately in Package Center.

RS217-2016-ENU-REV003