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RackStation

RS422+

Compact and Versatile Storage for Streamlined Data Management

Synology RackStation RS422+ is a 4-bay rackmount NAS enclosed in a compact 1U chassis. Powered by the powerful Synology DiskStation Manager (DSM) operating system, it offers an affordable all-in-one solution for data sharing, synchronization, and backup to small businesses and home lab owners looking to meet their daily data management needs.

- **Dependable Performance**
  Over 570/530 MB/s sequential read/write throughput supports stable data transfers[1]

- **Compact Deployment**
  Space-saving design with a depth of just 327.5 mm when server handles are installed

- **Redundant Connectivity**
  Dual 1GbE ports support network failover and load balancing

- **Easy Network Upgrade**
  Plug-and-play network upgrade modules make it easy to add 10GbE RJ-45 ports

All-In-One Storage Platform for Home and Office

RS422+ is designed to support small deployments requiring an out-ofthe-box data management solution.

- Over **570 MB/s sequential read** and **530 MB/s sequential write** performance[1] support common file management, data backup, and surveillance applications

- Two built-in **Gigabit Ethernet ports** can be bonded with **Link Aggregation** to provide redundant connectivity and load balancing, while fast **10GbE RJ-45 connectivity** can be added with a plug-and-play network upgrade module

- The **compact chassis** is designed to fit in a 2-post or wall mount rack, ensuring flexibility of deployment in space-limited environments

Optimized for Data Protection and Integrity

Safeguard your data with the powerful storage management features of Synology DSM, built on the advanced Btrfs file system.

- **Advanced snapshot technology** provides schedulable and near-instantaneous data protection for shared folders and LUNs

- **File and folder-level data restoration** enables recovery of specific files or folders

- **Configurable storage quotas** simplify management of available space with the option to specify storage limits for shared folders

- **File self-healing** detects and recovers corrupted files using mirrored metadata and RAID configurations

- **Inline compression** minimizes storage consumption and extends the life of drives by compressing data before it is written to the storage pool

File Sharing and Synchronization for Hybrid Teams

The compactness and ease of installation of the RS422+ make it suitable for deployment as an edge server to provide convenient and effective file access, sharing, and synchronization across different locations.

- **Wide network protocol support** ensures seamless file sharing across Windows, Mac, and Linux platforms, while **compatibility with Windows AD and LDAP** enables easy integration into any

existing network environment

- **Hybrid Share** combines reliable on-premises storage and efficient syncing of shared folders in the cloud to enable seamless cross-site synchronization and local file access at LAN speed[2]

- **Synology Drive** is a private cloud file management solution that enables remote data access, synchronization, on-demand file restoration, and backup via handy desktop and mobile applications

- **Cloud Sync** keeps your Dropbox, Google Drive, Microsoft OneDrive, Baidu, and Box storage in sync with your Synology server

- Seamless file sharing capability is combined with a high level of security, including HTTPS support, a built-in firewall, and multiple IP and account intrusion auto-blocking mechanisms

Comprehensive Data and Uptime Protection Tools

Native backup solutions help maintain high system availability and facilitate recovery in the event of a disaster or major outage.

- **Active Backup Suite** consolidates backup tasks and offers rapid restoration of Windows and Linux endpoints, VMs, Synology servers, and SaaS applications

- **Snapshot Replication** creates point-in-time copies of shared folders and LUNs to protect them from accidental modifications or ransomware incidents

- **Hyper Backup** protects your NAS by backing up data and configurations to multiple destinations with efficiency delivered by built-in deduplication, integrity checks, compression, and versioning

- **C2 Storage for Hyper Backup** offers a dedicated secure public cloud destination for Synology NAS backup data[2]

Private Video Surveillance

Synology Surveillance Station transforms RS422+ into a powerful Network Video Recorder with support for up to 40 IP cameras, [3] ideal for retail stores or small businesses looking to conveniently and affordably secure their premises.
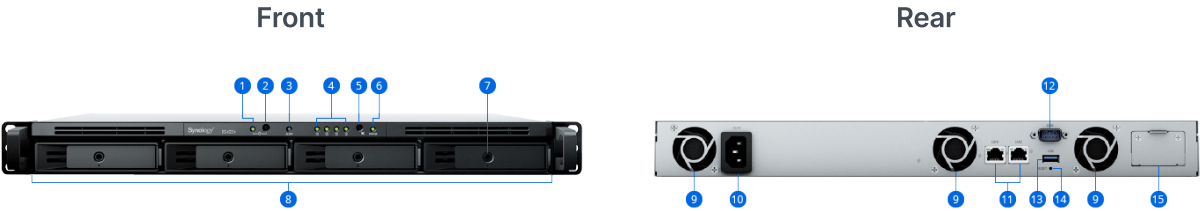
- 8,300+ supported camera models

- ONVIF support prevents vendor lock-in

- Private, subscription-free storage of recordings

- Access through web browsers, desktop clients, or mobile apps

- Event-based rules to trigger specific actions

- Email, SMS, or push notification options

Notes:

1. Performance figures are obtained through internal testing by Synology. Actual performance may vary depending on the testing environment, usage, and configuration. See performance charts for more information.

2. C2 Storage for Hyper Backup and Hybrid Share requires purchase of an eligible annual or monthly subscription. A free trial is available for each newly registered device.

3. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. Learn more

Hardware Overview

No.	Name	No.	Name
1.	Power Indicator	9.	Fans
2.	Power Button	10.	Power Port
3.	Alert Indicator	11.	1GbE RJ-45 Ports
4.	Drive Status Indicators	12.	Console Port
5.	Mute Button	13.	USB 3.2 Gen 1 Port
6.	Status Indicator	14.	Reset Button
7.	Drive Tray Locks	15.	Network Upgrade Slot
8.	Drive Trays		

Technical Specifications

Hardware

CPU	
CPU Model	AMD Ryzen R1600
CPU Quantity	1
CPU Core	2
CPU Architecture	64-bit
CPU Frequency	2.6 (base) / 3.1 (turbo) GHz
Hardware Encryption Engine	Yes

Memory	
System Memory	2 GB DDR4 ECC
Notes	Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion.

Storage	
Drive Bays	4
Drive Type	3.5" SATA HDD 2.5" SATA SSD
Hot Swappable Drive	Yes

External Ports	
RJ-45 1GbE LAN Port	2
USB 3.2 Gen 1 Port	1

PCIe

PCIe Expansion	1 x Gen3 ×2 network upgrade slot

Appearance

Form Factor (RU)	1U
Size (Height x Width x Depth)	44 mm x 478 mm x 327.5 mm
Weight	4.38 kg
Rack Installation Support	• 4-post 19" rack (Synology Rail Kit - RKM114/RKS-02) • 2-post 19" rack (direct mounting)
Notes	The rail kit is sold separately

Others

System Fan	40 mm x 40 mm x 20 mm x 3 pcs
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase

Temperature

Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Operating Humidity	8% to 80% RH
Storage Humidity	5% to 95% RH
Maximum Operating Altitude	5,000 m

General DSM Specifications

Storage Management

Maximum Single Volume Size	108 TB
Maximum Internal Volume Number	64
SSD Read/Write Cache (Determining cache size)	Yes
Supported RAID Type	Synology Hybrid RAID,Basic,JBOD,RAID 0,RAID 1,RAID 5,RAID 6,RAID 10
Notes	• Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration. • Usable capacity for each volume will be lower than the maximum volume size and is dependent on the filesystem and the amount of system metadata stored.

File System

Internal Drives	Btrfs,ext4
External Drives	Btrfs,ext4,ext3,FAT32,NTFS,HFS+,exFAT

File Services

File Protocol	SMB,AFP,NFS,FTP,WebDAV,Rsync
Maximum Number of SMB Connections (FSCT-Based)	40
Windows Access Control List (ACL) Integration	Yes
NFS Kerberos Authentication	Yes

Account & Shared Folder

Maximum Local User Accounts	512
Maximum Local Groups	128
Maximum Shared Folder	128
Maximum Shared Folder Sync Tasks	4

Security

Firewall, encryption shared folder, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, HTTPS (customizable cipher suite)

General Specifications

Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV
Supported Browsers	Chrome,Firefox,Edge,Safari
Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文
Notes	For an updated list of supported browser versions, check the DSM Technical Specifications.

Packages and Applications

Synology AI Console

Centralize AI management with flexible configurations for AI model integration, user access control, data privacy, usage policies, and resource allocation

Third-Party AI Model Integration	v

Synology Drive

Synchronizes files across Windows®, macOS®, Linux®, Android™ and iOS. The built-in cross-platform portal allows access to data anytime and anywhere

Maximum Number of Users	70
Maximum Number of Hosted Files	500,000 (applies to files indexed or hosted by Synology Drive. For file access through other standard protocols, refer to the File Services section above)

File Station

Provides virtual drives, remote folders, Windows® ACL editor, compression/extraction of archived files, bandwidth control for specific users/groups, creation of sharing links, and transfer logs

Hybrid Share

Synchronize data across multiple sites for fast and efficient multi-site teamwork. Powered by Synology C2 Storage, Hybrid Share requires purchase of a monthly or annual subscription

SAN Manager

Maximum iSCSI Target Number	2
Maximum LUN	4
LUN Clone/Snapshot, Windows ODX	Yes

Hyper Backup

Supports local backup, network backup, and data backup to other servers and public clouds, including C2 Storage

Snapshot Replication

Maximum Snapshots per Shared Folder	128
Maximum of System Snapshots	1,024

Synology High Availability

Reduces service downtime by combining two identical NAS into a high-availability cluster

Synology Chat

Maximum Number of Users	100

Synology Office

Maximum Number of Users	70

Surveillance Station

Default Licenses	2 (Additional cameras require purchase of licenses)
Suggested Maximum IP Cameras and Total FPS (H.264)	• 1080p: 40 channels, 800 FPS • 3M: 35 channels, 350 FPS • 5M: 28 channels, 280 FPS • 4K: 17 channels, 170 FPS
Suggested Maximum IP Cameras and Total FPS (H.265)	• 1080p: 40 channels, 1200 FPS • 3M: 40 channels, 600 FPS • 5M: 40 channels, 480 FPS • 4K: 20 channels, 200 FPS

Central Management System

Provides a single interface to manage and monitor multiple Synology NAS

VPN Server

Maximum Connections	4

Other packages

Additional 3rd-party packages are available in the Package Center

Environment & Packaging

Environment safety

RoHS Compliant

Packaging Content

- Main Unit X 1
- Accessory Pack X 1
- AC Power Cord X 1
- Quick Installation Guide X 1

Optional Accessories

- Enterprise Series 3.5" SATA HDD: HAT5300 Series
- Plus Series 3.5" SATA HDD: HAT3300 Series
- Enterprise Series 2.5" SATA SSD: SAT5200 Series
- 10GbE Network Upgrade Module: E10G22-T1-Mini
- Rail Kit Sliding: RKS-02
- Rail Kit Mounted: RKM114*

Notes	Certain items may not be available in your location. Please contact your local distributors for more information.

Warranty

3-year hardware warranty, extendable to 5 years with EW201 or Extended Warranty Plus

Notes	- The warranty period starts from the purchase date as stated on your purchase receipt. (Learn more) - Extended Warranty Plus is only available in Europe and North America. EW201/EW202 is only available in Asia, Africa, and Oceania. For exact availability information please visit their respective websites.