

## RackStation RS822+



**Brand:** Synology  
**Product Code:** RS822+  
**Availability:** 10  
**Weight:** 6.40kg  
**Dimensions:** 492.60mm x 480.00mm x 44.00mm  
**Call for Price:**

### Short Description

Synology 4-Bay RackStation RS822+ (Diskless)

### Description

### An all-in-one edge storage solution

The compact 1U 4-bay Synology RackStation RS822+ with its storage and connectivity expandability coupled with the powerful Synology DiskStation Manager (DSM) operating system is an ideal edge storage solution for branch offices and small and medium-sized businesses.



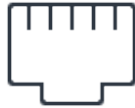
### Performance

2103/1074 MB/s sequential read/write throughput



## **Scalability**

Scale up to 8 drives with Synology Expansion Unit RX418



## **Connectivity**

Built-in 4 x 1GbE ports with 10/25 GbE expansion option



## **Memory**

Up to 32 GB DDR4 ECC

## **Built for reliability**

RS822+ comes with four Gigabit RJ-45 ports which can be bonded with Link Aggregation to enable automatic network failover and load balancing.

Two RS822+ units can be paired using Synology High Availability to form a reliable active/passive server cluster, maximizing service uptime.

## **Room for expansion**

Easily adjust the RS822+ to match your usage environment, whether it needs performance, faster networking, or higher storage capacity.

## **All-in-one data management platform**

The RS822+ is designed to support small deployments in tackling common applications such as file management, data backup, and surveillance.



### **Edge storage for distributed teams**



### **Multi-endpoint data protection**



### **Smart surveillance for small deployments**



## **Edge storage for distributed teams**

Provide secure and convenient cross-platform file access, sharing, and synchronization across multiple locations.

## **Enable effective collaboration with Synology Drive**

Synology Drive provides remote data access, synchronization, on-demand file restoration, and backup via handy desktop and mobile applications.

## **Multi-platform support**

Access personal and shared data from mobile app, desktop client, web browser, or another Synology system: Any changes you make are automatically synced to other devices as soon as they are connected.

## **Collaborate in real time**

Integrate with Synology Office to enable concurrent editing on documents, spreadsheets, and slides, with support for conversion to and from Microsoft Word, Excel, PowerPoint, and OpenDocument files.

### **Connect teams with Hybrid Share**

Utilize Hybrid Share to store large sets of data in the cloud, leveraging the powerful bandwidth of our data centers to stream requested files to local NAS deployed at the branch offices.

### **Data on-demand**

With Hybrid Share-enabled folders, remote teams retain full access to the most up-to-date files while benefiting from reduced local storage footprint and bandwidth usage.

### **Cache data used locally**

Frequently-accessed files are kept on the local NAS, allowing users to access them at LAN speeds. Files and folders can also be pinned manually to prevent them from being replaced when the cache is full.

## **Multi-endpoint data protection**

Design an effective backup strategy to maximize system availability with a host of native and license-free solutions.

## **Endpoint, VM, and NAS/SAN protection**

Securely back up Windows and Linux endpoints, Synology servers, and VMware® and

Hyper-V<sup>®</sup> virtual machines with Active Backup for Business.

## **Microsoft 365 and Google Workspace**

Centralize backups of Microsoft 365 and Google Workspace data to protect it from accidents and simplify compliance with data retention policies. Schedulable backups, flexible file versioning, and block-level deduplication ensure flexibility and savings in terms of storage and bandwidth consumption.

## **Hyper Backup**

Back up files, LUNs, installed applications, and system configurations to destinations including Synology C2 Storage, public cloud platforms, USB devices, file servers, local folders, or other Synology systems.

Set and forget backup tasks with regular schedules, enhance security with granular user permissions and encryption, keep backup sizes small with built-in deduplication, and restore data flexibly with multi-versioning.

## **Snapshot Replication**

Snapshot Replication enables configurable point-in-time snapshots of shared folders and VM storage with an RPO as low as 5 minutes and recovery within seconds.



## **Smart surveillance for small deployments**

Leverage flexible deployment options, intuitive management capabilities, and advanced video analytics to secure your premises.

## **Wide compatibility**

Connect up to 40 IP cameras from a selection of over 8,300 validated models thanks to Synology Surveillance Station's wide camera compatibility.

## Multi-platform convenience

Monitor live streams or watch recordings from web browser, desktop client, or the DS cam mobile app.

## Secure and private

Footage is stored locally for easier compliance with data protection regulations and further protected from unauthorized access with industry-standard AES-256 encryption.

### Software

#### Software Specs

#### DSM Specifications

#### [Storage Management](#)

Maximum Single Volume Size 108 TB

Maximum Internal Volume Number 64

SSD Read/Write Cache  
[\(Determining cache size\)](#)

SSD TRIM

Supported RAID Type

- Synology Hybrid RAID
- Basic
- JBOD

- RAID 0
- RAID 1
- RAID 5
- RAID 6
- RAID 10
- Basic to RAID 1
- Basic to RAID 5
- RAID 1 to RAID 5
- RAID 5 to RAID 6
- Synology Hybrid RAID
- RAID 1
- RAID 5
- RAID 6
- RAID 10
- Synology Hybrid RAID
- JBOD
- RAID 5
- RAID 6 (with Expansion Unit)
- Synology Hybrid RAID
- RAID 1
- RAID 5
- RAID 6 (with Expansion Unit)
- RAID 10 (with Expansion Unit)
- Btrfs
- ext4
- Btrfs
- ext4
- ext3
- FAT
- NTFS
- HFS+
- exFAT
- SMB
- AFP
- NFS
- FTP

RAID Migration

Volume Expansion with Larger HDDs

Volume Expansion by Adding a HDD

Global Hot Spare Supported RAID Type

## [File System](#)

Internal Drives

External Drives

## [File Services](#)

File Protocol

- WebDAV
- Rsync

Maximum Concurrent SMB/AFP/FTP Connections 500  
 Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion) 2,000  
 Windows Access Control List (ACL) Integration  
 NFS Kerberos Authentication

[Account & Shared Folder](#)

Maximum Local User Accounts 2,048  
 Maximum Local Groups 256  
 Maximum Shared Folder 512  
 Maximum Shared Folder Sync Tasks 16

[Hybrid Share](#)  
[Hyper Backup](#)

Hybrid Share Folder Number 10  
 Folder and Package Backup  
 Entire System Backup  
 Synology High Availability

[High Availability](#)  
[Log Center](#)

Syslog Events per Second 800  
 VMware ESXi 6.5 and VAAI  
 Windows Server 2016  
 Windows Server 2022  
 Citrix Ready  
 OpenStack

Virtualization

[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, ???????, Polski, Magyar, Português do Brasil,

Português Europeu, Türkçe,  
češský, ???????, ???, ???,  
????, ?????

### Central Management System

#### Synology Chat

Suggested Users 150

#### Download Station

Maximum Concurrent  
Download Tasks 80

#### SAN Manager

Maximum iSCSI Target  
Number 128

Maximum LUN 256  
LUN Clone/Snapshot,  
Windows ODX

#### Synology MailPlus /

#### MailPlus Server

Free Email Accounts 5 ([Additional accounts  
require purchase of licenses](#))

Suggested Users 750

Maximum Server  
Performance 1,484,000 emails per day,  
approx. 45GB

#### Media Server

DLNA Compliance

#### Synology Photos

Facial Recognition  
Object Recognition

#### Snapshot Replication

Maximum Snapshots per  
Shared Folder 1,024

Maximum of System  
Snapshots 65,536

#### Surveillance Station

Default Licenses 2 ([Additional cameras  
require purchase of licenses](#))

Suggested Maximum IP  
Cameras and Total FPS  
(H.264)

- 720p: 40 channels,  
1200 FPS
- 1080p: 40 channels,  
800 FPS
- 3M: 35 channels, 350  
FPS
- 5M: 28 channels, 280  
FPS

Suggested Maximum IP Cameras and Total FPS (H.265)

- 4K: 17 channels, 170 FPS
- 720p: 40 channels, 1200 FPS
- 1080p: 40 channels, 1200 FPS
- 3M: 40 channels, 600 FPS
- 5M: 40 channels, 480 FPS
- 4K: 20 channels, 200 FPS

### [Synology Drive](#)

Recommended Number of Concurrent Sync Clients 550 (the number of connections that can be maintained when the recommended number of hosted files was reached)

Recommended Number of Hosted Files 50,000,000 (applies to files indexed or hosted by [Synology Drive](#). For file access through other standard protocols, refer to the File Services section above)

### [Synology Office](#)

Suggested Users 4,500

### [Virtual Machine Manager](#)

Recommended Virtual Machine Instances 8 [\(Learn more\)](#)

Recommended Virtual DSM Number [\(Licenses required\)](#) 8 (including 1 Free License)

### [VPN Server](#)

Maximum Connections 40

## Specification

NAS	
Compatible Drive Type	3.5
CPU Architecture	64-bit
CPU Core	4
CPU Frequency	2.2 GHz
CPU Model	AMD Ryzen V1500B

CPU Quantity	1
Drive Bays	4
Expansion Port	1
Form Factor (RU)	1U
Hardware Encryption Engine	Yes
Hot Swappable Drive	Yes
Maximum Memory Capacity	32 GB (16 GB x 2)
Memory	2 GB DDR4 ECC SODIMM
PCIe Expansion	1 x Gen3 x8 slot (x4 link)
Power Supply Unit / Adapter	150 watts 100 V to 240 V AC 50/60 Hz, Single Phase
RJ-45 1GbE LAN Port	4
System Fan	40 mm x 40 mm x 3 pcs
Total Memory Slots	2
USB 3.2 Gen 1 Port	2

### Product Gallery

