

RackStation RS822RP+



Brand: Synology

Product Code: RS822RP+

Availability: 10

Weight: 8.00kg

Dimensions: 518.60mm x 480.00mm x
44.00mm

Price: \$99,069.00

Short Description

Synology 4 Bay RackStation RS822RP+

Description

An all-in-one edge storage solution

The compact 1U 4-bay Synology RackStation RS822RP+ 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.



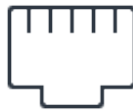
Performance

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

RS822RP+ comes with four Gigabit RJ-45 ports which can be bonded with Link Aggregation to enable automatic network failover and load balancing.

Two RS822RP+ units can be paired using Synology High Availability to form a reliable active/passive server cluster, maximizing service uptime.

Furthermore, the RS822RP+ features a redundant power supply for an extra edge in service continuity.

Room for expansion

Easily adjust the RS822RP+ to match your usage environment, whether it needs performance, faster networking, or higher storage capacity.

All-in-one data management platform

The RS822RP+ 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® 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](#)

	RS822RP+
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

RAID Migration

- Basic to RAID 1
- Basic to RAID 5
- RAID 1 to RAID 5
- RAID 5 to RAID 6

Volume Expansion with
Larger HDDs

- Synology Hybrid RAID
- RAID 1
- RAID 5
- RAID 6
- RAID 10

Volume Expansion by
Adding a HDD

- Synology Hybrid RAID
- JBOD
- RAID 5
- RAID 6 (with Expansion Unit)

Global Hot Spare Supported
RAID Type

- Synology Hybrid RAID
- RAID 1
- RAID 5
- RAID 6 (with Expansion Unit)
- RAID 10 (with Expansion Unit)

[File System](#)

Internal Drives

- Btrfs
- ext4

External Drives

- Btrfs
- ext4
- ext3
- FAT
- NTFS

File Services	File Protocol	<ul style="list-style-type: none"> • HFS+ • exFAT • SMB • AFP • NFS • FTP • 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	Hybrid Share Folder Number	10
Hyper Backup	Folder and Package Backup	
	Entire System Backup	
High Availability	Synology High Availability	
Log Center	Syslog Events per Second	800
Virtualization	VMware ESXi 6.5 and VAAI	
	Windows Server 2016	
	Windows Server 2022	
	Citrix Ready	
	OpenStack	
General Specifications	Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV
	Supported Browsers	<ul style="list-style-type: none"> • Chrome • Firefox • Edge

- Safari

Supported Language

English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ????, ????

[Central Management System](#)

[Synology Chat](#)

Download Station	Suggested Users	150
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Maximum Concurrent Download Tasks	80
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[SAN Manager](#)

Maximum iSCSI Target Number	128
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Maximum LUN LUN Clone/Snapshot, Windows ODX	256
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[Synology MailPlus / MailPlus Server](#)

Free Email Accounts	5 (Additional accounts require purchase of licenses)
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Suggested Users	750
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Maximum Server Performance	1,484,000 emails per day, approx. 45GB
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[Media Server](#)

DLNA Compliance

[Synology Photos](#)

Facial Recognition
Object Recognition

[Snapshot Replication](#)

Maximum Snapshots per Shared Folder	1,024
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Maximum of System Snapshots	65,536
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[Surveillance Station](#)

Default Licenses	2 (Additional cameras require purchase of licenses)
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Suggested Maximum IP Cameras and Total FPS	<ul style="list-style-type: none"> • 720p: 40 channels, 1200 FPS
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(H.264)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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
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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
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Specification

NAS	
CPU Model	AMD Ryzen V1500B
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	2.2 GHz
Hardware Encryption Engine	Yes
Memory	2 GB DDR4 ECC SODIMM
Drive Bays	4
Compatible Drive Type	3.5
Hot Swappable Drive	Yes
RJ-45 1GbE LAN Port	4
USB 3.2 Gen 1 Port	2
System Fan	40 mm x 40 mm x 2 pcs
Power Supply Unit / Adapter	150 watts 100 V to 240 V AC 50/60 Hz, Single Phase
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Expansion Port	1
PCIe Expansion	1 x Gen3 x8 slot (x4 link)
Form Factor (RU)	1U
Redundant Power Supply	Yes

Product Gallery



