RackStation RS822RP+

Brand: Synology
Product Code: RS822RP+
Availability: 10
Weight: 8.00kg
Dimensions: 518.60mm x 480.00mm x 44.00mm
Call for Price:

Short Description

Synology 4-Bay RackStation RS822RP+ (Diskless)

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.
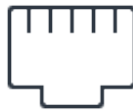
Performance

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 multiplelocations.

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		RS822RP+
[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
	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	• 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	• 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		
	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	• 720p: 40 channels, 1200 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)	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
Redundant Power Supply	Yes
RJ-45 1GbE LAN Port	4
System Fan	40 mm x 40 mm x 2 pcs
Total Memory Slots	2
USB 3.2 Gen 1 Port	2

Product Gallery