RackStation RS2423RP+

Brand: Synology
Product Code: RS2423RP+
Availability: 10
Weight: 11.90kg
Dimensions: 578.00mm x 482.00mm x 88.00mm
Call for Price:

Short Description

Synology 12-Bay RackStation RS2423RP+ (Diskless)

Description

Secure storage for your business

Business-ready

Over 3,500/1,700 MB/s seq. read/write, built-in 10GbE, and up to 216 TB raw storage before expansion.

Flexible configuration

Add 12 extra drive bays, 1/10/25GbE ports, and SSD cache volumes whenever needed.

Versatile applications

Back up 300 endpoints, manage 50 IP cameras, or safely sync and share files between devices and sites.

Faster and more responsive

The RS2423RP+/RS2423+ offer exceptional performance with over 155K/79K random read/write IOPS and up to 3,500/1,700 MB/s sequential read/write throughput.[1] They are the perfect cost-effective file management and sharing solution for SMBs and come equipped with advanced backup capabilities designed for businesses with expanding data needs.

Designed for reliability

The RS2423RP+ and RS2423+ come with one 10GbE RJ-45 port and two Gigabit RJ-45 ports, which can be bonded with Link Aggregation to enable automatic network failover and load balancing.

Two RS2423RP+/RS2423+ units can be paired using Synology High Availability to form a reliable active-passive server cluster, maximizing service uptime.

The RS2423RP+ also features redundant and hot-swappable power supply units to protect service continuity in case there are issues with one power source.

Room for expansion

Easily adjust the 2U 12-bay RS2423RP+/RS2423+ to match the usage of your environment, whether it needs performance, faster networking, or higher storage capacity.

Storage expansion

Add 12 extra drive bays for a total of 24 drive bays with a [RX1223RP](RX1223RP) expansion unit.[2]

SSD cache

Flexible networking options

Versatile storage for businesses

The RS2423RP+/RS2423+ are ideal for small to medium-sized businesses and branch offices seeking a high-performing, reliable, and cost-efficient storage solution for file management, data backup, and surveillance.

Intuitive storage for on-site and remote teams

Multi-endpoint data protection

Smart and scalable surveillance

Intuitive storage for on-site and remote teams

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

Private file cloud

Enable efficient collaboration with Synology Drive

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

Multi-platform support

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

Collaborate in real time

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

Efficient multi-site synchronization

Connect teams with Hybrid Share

Use Hybrid Share to store large sets of data in the cloud, leveraging the large bandwidth of our data centers to stream requested files to local NAS deployed at the branch offices.[5]

Reliable data access on demand

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

Local caching of most-used data

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 data and system availability with a host of native and license-free solutions.

Consolidated backup server

Endpoint, VM, and NAS/SAN protection

Securely back up Windows, Mac, 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 cloud data 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.

Data protection and recovery

Hyper Backup

Back up files, LUNs, installed applications, and system configurations to destinations including [Synology C2 Storage](#),[5] public cloud platforms, USB devices, file servers, local folders, and 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 and scalable surveillance

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

Simple-to-deploy local surveillance

Wide device compatibility

Connect up to 75 IP cameras from a selection of over 8,600 validated models thanks to [Synology Surveillance Station](#)'s wide camera compatibility.[6]

Multi-platform convenience

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

Secure and private storage

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

Flexible monitoring of multiple locations

Assisted camera deployment

Automatically locate new cameras within a set IP range, and configure units in batch via spreadsheet import or replicating settings to new cameras.

Centralized management and monitoring

Stay on top of your deployment by previewing triggered events directly on multi-floor or multi-location maps, with online map integration for Google Maps and OpenStreetMap.

Time-saving video analytics

Take advantage of intelligent monitoring features such as motion detection, no-idle zones, foreign object detection, and anomaly detection that cater to common surveillance scenarios.

Software
Software Specs

DSM Specifications	
Storage Management	**Maximum Single Volume Size**
	Maximum Internal Volume Number
	SSD Read/Write Cache (Determining cache size)
	SSD TRIM
	Supported RAID Type
	RAID Migration
	Volume Expansion with Larger HDDs

	Volume Expansion by Adding a HDD	
	Global Hot Spare Supported RAID Type	
	Notes	
[File System](#)	**Internal Drives**	
	External Drives	
[File Services](#)	**File Protocol**	
	Maximum Concurrent SMB/AFP/FTP Connections	
	Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)	
	Windows Access Control List (ACL) Integration	
	NFS Kerberos Authentication	
	Notes	
[Account & Shared Folder](#)	**Maximum Local User Accounts**	
	Maximum Local Groups	
	Maximum Shared Folder	
	Maximum Shared Folder Sync Tasks	
[Hybrid Share](#)	**Hybrid Share Folder Number**	
[Hyper Backup](#)	**Data & Folder Backup**	
	Entire System Backup	
	Notes	

[High Availability](#)	**Synology High Availability**	
[Log Center](#)		
	Syslog Events per Second	
Virtualization	**VMware ESXi 6.5 and VAAI**	
	Windows Server 2022	
	Citrix Ready	
	OpenStack	
[General Specifications](#)	**Supported Protocols**	
	Supported Browsers	
	Supported Language	
	Notes	
[Central Management System](#)		
[Synology Chat](#)		
	Suggested Users	
	Notes	
Download Station		
	Maximum Concurrent Download Tasks	
[SAN Manager](#)		
	Maximum iSCSI Target Number	
	Maximum LUN	
	LUN Clone/Snapshot, Windows ODX	
[Synology MailPlus / MailPlus Server](#)		
	Free Email Accounts	
	Suggested Users	
	Notes	
[Media Server](#)		
	DLNA Compliance	
[Synology Photos](#)		
	Facial Recognition	
	Object Recognition	
[Snapshot Replication](#)		
	Maximum Snapshots per Shared Folder	

		Maximum of System Snapshots	
Surveillance Station			
		Default Licenses	
		Suggested Maximum IP Cameras and Total FPS (H.264)	
		Suggested Maximum IP Cameras and Total FPS (H.265)	
		Notes	
Synology Drive			
		Recommended Number of Concurrent Sync Clients	
		Recommended Number of Hosted Files	
		Notes	
Synology Office			
		Suggested Users	
		Notes	
Virtual Machine Manager			
		Recommended Virtual Machine Instances	
		Recommended Virtual DSM Number (Licenses required)	
		Notes	
VPN Server			
		Maximum Connections	

Specification

NAS	
CPU Model	AMD Ryzen V1780B
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	3.35 (base) / 3.6 (turbo) GHz

Hardware Encryption Engine	Yes
Memory	8 GB DDR4 ECC UDIMM
Drive Bays	12
Hot Swappable Drive	Yes
RJ-45 1GbE LAN Port	2
USB 3.2 Gen 1 Port	2
System Fan	60 mm x 60 mm x 3 pcs
Power Supply Unit / Adapter	350 watts
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)	2U
Redundant Power Supply	Yes

Product Gallery