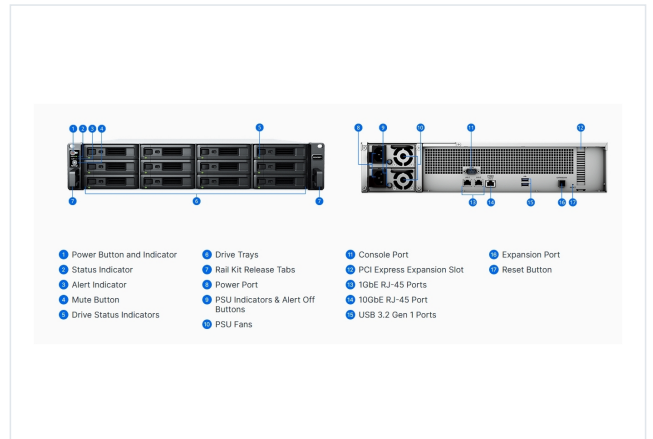


Synology RS2423+

Synology RackStation RS2423rp+ 12-bay 2U NAS

Product Overview

Synology RackStation RS2423+ 12-bay 2U NAS, AMD Ryzen V1780b Quad Core CPU, 8GB DDR4 ECC UDIMM system Memory, 12 Drive bays, 3.5" SATA Hard Disk Drive, Hot Swappable Drive, 2x RJ-45 1GbE LAN Port, 1x RJ-45 10GbE LAN Port, 2x USB 3.2 Gen 1 Port, 1 expansion Port, 1x Gen3 x8 slot (x4 Link) PCI-e expansion



Specifications

Overview:

RackStation RS2423+/RS2423RP+

Efficient storage for centralized data management

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.

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Features:

Faster and more responsive

The RS2423+/RS2423RP+ offer exceptional performance with over 155K/79K random read/write IOPS and up to 3,500/1,700 MB/s sequential read/write throughput. 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 RS2423+ and RS2423RP+ 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 RS2423+/RS2423RP+ 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 RS2423+/RS2423RP+ to match the usage of your environment, whether it needs performance, faster networking, or higher storage capacity.

Versatile storage for businesses

The RS2423+/RS2423RP+ 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

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

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.

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.

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.

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.

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Multi-endpoint data protection

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

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.

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, 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.

Wide device compatibility

Connect up to 50 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 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.

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.

Works best with Synology drives

Enjoy high sustained performance and reliability with enterprise-grade drives designed for Synology NAS, featuring built-in

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data protection.

Get more with DiskStation Manager

Take advantage of a host of native productivity, management, and security solutions available in the web-based Synology DSM operating system.

Central Management System

Conveniently manage your fleet of Synology NAS from a centralized console.

Security

Shield your Synology NAS from the most sophisticated threats with industry-leading security solutions.

Synology High Availability

Real-time system-level protection with automatic failover mechanism to maximize service availability.

Specifications:

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Specifications

Product Code	Synology RS2423+
CPU	
CPU Model	AMD Ryzen V1780B
CPU Quantity	1
CPU Architecture	64-bit
CPU Frequency	4-core 3.35 (base) / 3.6 (turbo) GHz
Hardware Encryption Engine (AES-NI)	Yes
Memory	
System Memory	8 GB DDR4 ECC UDIMM
Memory Module Pre-installed	8 GB (8 GB x 1)
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Notes	Synology reserves the right to replace memory modules with the same or higher frequency based on supplier's product life cycle status. Rest assured that the compatibility and stability have been strictly verified with the same benchmark to ensure identical performance.
	For more information about the recommended memory configurations, please check the Hardware Installation Guide of your Synology product.
Storage	
Drive Bays	12
Maximum Drive Bays with Expansion Unit	24 (RX1223RP x 1)

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Compatible Drive Type* (See all supported drives)	3.5" SATA HDD
	2.5" SATA SSD
Hot Swappable Drive	Yes
Notes	Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability.
	"Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay.
External Ports	
RJ-45 1GbE LAN Port	2 (with Link Aggregation / Failover support)
RJ-45 10GbE LAN Port	1
USB 3.2 Gen 1 Port	2
Expansion Port	1
Notes	This device's 1GbE LAN ports have a maximum transmission unit (MTU) size of 1,500 bytes.
	The USB 3.0 standard was renamed to USB 3.2 Gen 1 by the USB Implementers Forum (USB-IF) in 2019.
PCIe	
PCIe Expansion	1 x Gen3 x8 slot (x4 link)
File System	
Internal Drives	Btrfs
	EXT4
External Drives	Btrfs
	EXT4
	EXT3
	FAT
	NTFS
	HFS+
	exFAT
Appearance	
Form Factor (RU)	2U
Size (Height x Width x Depth)	RS2423+ :
	88 mm x 482 mm x 552 mm
	RS2423RP+ :
	88 mm x 482 mm x 578 mm
Weight	RS2423+ :
	11.5 kg
	RS2423RP+ :
	11.9 kg

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Rack Installation Support	4-post 19" rack (Synology Rail Kit - RKS-02)
Notes	The rail kit is sold separately
Others	
System Fan	60 mm x 60 mm x 3 pcs
Fan Speed Mode	Full-Speed Mode
	Cool Mode
	Quiet Mode
Easy Replacement System Fan	Yes
Power Recovery	Yes
Noise Level	RS2423+ :
	52.3 dB(A)
	RS2423RP+ :
	56.2 dB(A)
Scheduled Power On / Off	Yes
Wake on LAN / WAN	Yes
Power Supply Unit / Adapter	RS2423+ :
	500 W
	RS2423RP+ :
	350 W
Redundant Power Supply	RS2423+ :
	-
	RS2423RP+ :
	Yes
AC Input Power Voltage	100 V to 240 V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	RS2423+ :
	119.95 W (Access) 46.21 W (HDD Hibernation)
	RS2423RP+ :
	114.86 W (Access) 42.33 W (HDD Hibernation)
British Thermal Unit	RS2423+ :
	409.56 BTU/hr (Access) 157.78 BTU/hr (HDD Hibernation)
	RS2423RP+ :
	392.18 BTU/hr (Access) 144.53 BTU/hr (HDD Hibernation)
Notes	For more information on how power consumption is measured, refer to this article.
	Noise Level Testing Environment: A Synology NAS loaded with Synology 480GB SAT5200-480G solid-state drive(s) in idle state. Each G.R.A.S. type 40AE microphone is placed at a 1-meter distance from the front and rear of a Synology NAS. Background noise: 16.49-17.51 dB(A), Temperature: 24.25-25.75 degreesC, Humidity: 58.2-61.8%

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Temperature	
Operating Temperature	0 degreesC to 35 degreesC (32 degreesF to 95 degreesF)
Storage Temperature	-20 degreesC to 60 degreesC (-5 degreesF to 140 degreesF)
Relative Humidity	5% to 95% RH
Certification	
Certification	FCC
	CE
	BSMI
	VCCI
	RCM
	UKCA
	EAC
	CCC
	KC
	UL
Environment	
Environment	RoHS Compliant
Packaging Content	
Packaging Content	RS2423+ :
	Main Unit X 1
	Accessory Pack X 1
	AC Power Cord X 1
	Quick Installation Guide X 1
	RS2423RP+ :
	Main Unit X 1
	Accessory Pack X 1
	AC Power Cord X 2
	Quick Installation Guide X 1

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/Synology-RS2423-Synology-RackStation-RS2423rp-12-bay-Buy-p-278957.php>

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