# RackStation ?RS2423+

**Brand:** Synology
**Product Code:** ?RS2423+
**Availability:** 10
**Weight:** 11.50kg
**Dimensions:** 552.00mm x 482.00mm x 88.00mm

## Price: $201,411.00

## Short Description

Synology 12 Bay RackStation RS2423+

## Description

## Secure storage for your business

Business-ready

Over 3,500/1,700 MB/s seq. read/write, built-in 10GbE, and up to 240 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](#) 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.

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**Private file cloud**

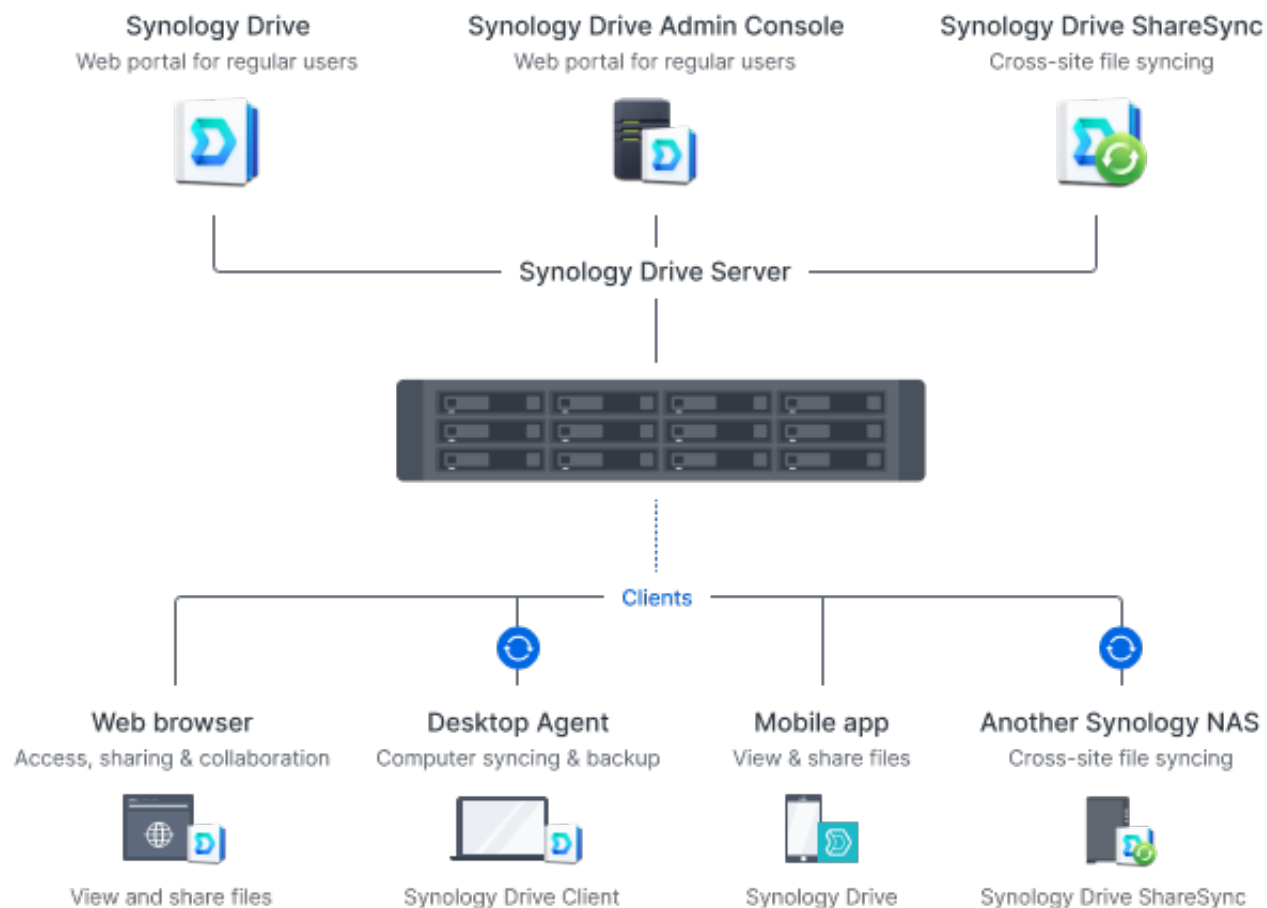# Enable efficient collaboration with Synology Drive

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

## 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.

**Synology Drive**
Web portal for regular users

**Synology Drive Admin Console**
Web portal for regular users

**Synology Drive ShareSync**
Cross-site file syncing

Synology Drive Server

Clients

**Web browser**
Access, sharing & collaboration

View and share files

**Desktop Agent**
Computer syncing & backup

Synology Drive Client

**Mobile app**
View & share files

Synology Drive

**Another Synology NAS**
Cross-site file syncing

Synology Drive ShareSync

**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.

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.

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## 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.

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.

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# 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.

**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 | | RS2423+ |
|---|---|---|
| [Storage Management](#) | **Maximum Single Volume Size** | • 200 TB (32 GB memory required)<br>• 108 TB |
| | **Maximum Internal Volume Number** | 64 |
| | **SSD Read/Write Cache** [(Determining cache size)](#) | |
| | **SSD TRIM** | |
| | **Supported RAID Type** | • Synology Hybrid RAID<br>• Basic<br>• JBOD<br>• RAID 0<br>• RAID 1<br>• RAID 5<br>• RAID 6<br>• RAID 10 |
| | **RAID Migration** | • Basic to RAID 1<br>• Basic to RAID 5<br>• RAID 1 to RAID 5<br>• RAID 5 to RAID 6 |
| | **Volume Expansion with Larger HDDs** | • Synology Hybrid RAID |

| | | |
|---|---|---|
| | | <ul><li>RAID 1</li><li>RAID 5</li><li>RAID 6</li><li>RAID 10</li></ul> |
| | **Volume Expansion by Adding a HDD** | <ul><li>Synology Hybrid RAID</li><li>JBOD</li><li>RAID 5</li><li>RAID 6</li></ul> |
| | **Global Hot Spare Supported RAID Type** | <ul><li>Synology Hybrid RAID</li><li>RAID 1</li><li>RAID 5</li><li>RAID 6</li><li>RAID 10</li></ul> |
| | **Notes** | |
| [File System](#) | **Internal Drives** | <ul><li>Btrfs</li><li>ext4</li></ul> |
| | **External Drives** | <ul><li>Btrfs</li><li>ext4</li><li>ext3</li><li>FAT</li><li>NTFS</li><li>HFS+</li><li>exFAT</li></ul> |
| [File Services](#) | **File Protocol** | <ul><li>SMB</li><li>AFP</li><li>NFS</li><li>FTP</li><li>WebDAV</li><li>Rsync</li></ul> |
| | **Maximum Concurrent SMB/AFP/FTP Connections** | 2,000 |
| | **Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)** | 2,000 |
| | **Windows Access Control List (ACL) Integration** | |
| | **NFS Kerberos Authentication** | |

| | Notes | |
|---|---|---|
| Account & Shared Folder | Maximum Local User Accounts | 2,048 |
| | Maximum Local Groups | 256 |
| | Maximum Shared Folder | 512 |
| | Maximum Shared Folder Sync Tasks | 32 |
| Hybrid Share | Maximum Hybrid Share Folders | 10 |
| Hyper Backup | Folder and Package Backup | |
| | Entire System Backup | |
| | Notes | |
| High Availability | Synology High Availability | |
| Log Center | | |
| | Syslog Events per Second | 1,000 |
| **Virtualization** | VMware ESXi 6.5 and VAAI | |
| | 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><li>Chrome</li><li>Firefox</li><li>Edge</li><li>Safari</li></ul> |
| | Supported Language | English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ????, ???? |
| | Notes | |
| Central Management System | | |
| Synology Chat | | |

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|---|---|---|
| | Suggested Users | 150 |
| | Notes | |
| **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** | 5,000 |
| | **Notes** | |
| [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)** | • 1080p: 75 channels, 2100 FPS<br>• 3M: 75 channels, 1500 FPS<br>• 5M: 75 channels, 900 FPS<br>• 4K: 55 channels, 550 FPS |
| | **Suggested Maximum IP Cameras and Total FPS (H.265)** | • 1080p: 75 channels, 2250 FPS<br>• 3M: 75 channels, 2250 FPS<br>• 5M: 75 channels, |

| | | |
|---|---|---|
| | | 1500 FPS<br>• 4K: 75 channels, 900 FPS |
| | **Notes** | |
| Synology Drive | | |
| | **Recommended Number of Concurrent Sync Clients** | 600 (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) |
| | **Notes** | |
| Synology Office | | |
| | **Suggested Users** | 12,500 |
| | **Notes** | |
| Virtual Machine Manager | | |
| | **Recommended Virtual Machine Instances** | 8 (Learn more) |
| | **Recommended Virtual DSM Number** (Licenses required) | 8 (including 1 Free License) |
| | **Notes** | |
| VPN Server | | |
| | **Maximum Connections** | 40 |

## 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 | 500 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 |

**Product Gallery**