

DiskStation DS423



Brand: Synology
Product Code: DS423
Availability: 10
Weight: 2.21kg
Dimensions: 230.00mm x 168.00mm x 184.00mm

Price: \$34,511.00

Short Description

Synology 4-Bay DiskStation DS423 (Diskless)

Description

Simplify your data management

Versatile data management platform for work and more



Secure cloud storage

Flexibly store up to 80 TB of data 1 with 100% ownership and enjoy multi-platform access from anywhere.



Data sharing made easy

Safely share files and media over your private cloud for easier collaboration and better productivity.



Versatile video surveillance

Leverage intuitive surveillance tools to protect your premises and store footage from up to 30 IP cameras. 2

Create a private cloud hub for your data

Import and sync data scattered across PCs, Macs, phones, and external storage devices to implement well-organized file management for your business.

Multi-device access

Browse, access, edit, and share files securely and conveniently via desktop, mobile, or web browser platforms. Use intuitive admin tools to track and set file permissions and control access to documents, files, and other data.



On-demand sync

Save space on your personal devices by only synchronizing the files you need from your Synology system. Pin frequently accessed files for convenient offline accessibility.



Cloud integration

Sync your private storage servers with public cloud services such as Google Drive, Dropbox, and Microsoft OneDrive. Retain local copies of your cloud data for centralized management and data ownership.

Cross-platform sharing

Build a private data cloud that syncs and shares files swiftly between multiple storage servers, letting everyone access the same set of data at their convenience.



Safeguard your data

Powered by Synology DiskStation Manager (DSM), the DS423 utilizes Btrfs, a next-generation file system, to secure data against corruption and allows users to roll back any accidental or malicious changes with instantaneous snapshots.



Versatile storage solution for essential needs

Manage and organize photos efficiently, back up and secure your digital data, and safeguard your physical premises with the DS423.

Smart and secure photo management

Store and organize photos, albums, and other media with smart and intuitive features. Back up your memories with the mobile app, and leverage privacy-focused options to share media securely with friends, family, or colleagues.

30% faster photo indexing



Protect all your data

Safeguard your digital world and back up all your documents, files, photos, and more with license-free backup solutions.

Automatically back up memories and files

Safeguard mobile media such as photos and videos by automatically storing remote copies onto Synology Photos or Synology Drive.

Survive cyberattacks and prevent data leaks

Protect your data against ransomware attacks or accidental deletion with real-time or scheduled backups of computer folders with Synology Drive.



Intuitive video surveillance

Secure your home or business with a powerful solution to monitor, archive, and analyze footage centrally.

Wide device compatibility

Connect up to 30 IP cameras by selecting from a wide variety of over 8,300 validated

models or ONVIF devices.

Access from anywhere

Monitor video streams in real time via web browsers, desktop clients, or mobile apps to protect your premises 24/7. Set up alerts and triggers to get notified of suspicious activity.



Multi-layered backup solutions

Leverage Synology solutions to back up all data stored on your DS423 onto a secondary server, external storage device, or the cloud.

Flexible off-site backups

Back up your Synology device, including system settings, applications, and shared folders, save space with data deduplication, and store copies to multiple destinations.

Near-instantaneous protection

Create point-in-time snapshots of shared folders and LUNs for added protection of your data. Snapshot Replication enables an RPO as low as 5 minutes and recovery within seconds.

Software

DSM Specifications

[Storage Management](#)

Maximum Single Volume Size 108 TB

Maximum Internal Volume Number 64

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

Global Hot Spare Supported RAID Type

- Synology Hybrid RAID

- RAID 1

Notes

- RAID 5
- Usable capacity for each volume will be lower than the maximum volume size and is dependent on the filesystem and the amount of system metadata stored.
- Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration.

File System

Internal Drives

External Drives

- Btrfs
- ext4
- Btrfs
- ext4
- ext3
- FAT
- NTFS
- HFS+
- exFAT
- SMB
- AFP
- NFS
- FTP
- WebDAV
- Rsync

File Services

File Protocol

Maximum Concurrent 200

SMB/AFP/FTP Connections

Windows Access Control

List (ACL) Integration

NFS Kerberos Authentication

Notes

The testing standard was based on the maximum number of concurrent connections supported by this model. During the testing,

25% of the connections were used to transfer files concurrently. The transfer process guaranteed that the connections were not interrupted; the minimum transfer speed was not guaranteed.

Account & Shared Folder	Maximum Local User Accounts	1,024
	Maximum Local Groups	256
	Maximum Shared Folder	256
	Maximum Shared Folder Sync Tasks	4
	Hybrid Share	Maximum Hybrid Share Folders
Hyper Backup	Folder and Package Backup	
Log Center	Syslog Events per Second	400
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, ???????, ???, ???, ????, ????
	Notes	For an updated list of supported browser versions, check the DSM Technical Specifications .

Add-on Packages [view the complete package list](#)
[Synology Chat](#)

Download Station	Maximum Concurrent Download Tasks	80
SAN Manager	Maximum iSCSI Target Number	128
	Maximum LUN LUN Clone/Snapshot, Windows ODX	256
Media Server	DLNA Compliance	
Synology Photos	Facial Recognition	
Snapshot Replication	Maximum Snapshots per Shared Folder	256
	Maximum of System Snapshots	4,096
Surveillance Station	Default Licenses	2 (Additional cameras require purchase of licenses)
	Suggested Maximum IP Cameras and Total FPS (H.264)	<ul style="list-style-type: none"> • 720p: 30 channels, 900 FPS • 1080p: 30 channels, 600 FPS • 3M: 30 channels, 300 FPS • 5M: 20 channels, 200 FPS • 4K: 15 channels, 150 FPS
	Suggested Maximum IP Cameras and Total FPS (H.265)	<ul style="list-style-type: none"> • 720p: 30 channels, 900 FPS • 1080p: 30 channels, 800 FPS • 3M: 30 channels, 500 FPS • 5M: 30 channels, 450 FPS • 4K: 20 channels, 200 FPS
	Notes	<ul style="list-style-type: none"> • Performance figures are obtained from testing conducted with the device fully populated with drives, with their default memory

configuration, and under a continuous recording setup. Actual system capabilities may vary based on configuration, drive performance, enabled features, and the presence of additional workloads.

- Use [NVR Selector](#) to quickly find a suitable model based on your requirements.
- The maximum number of camera stream outputs is 2 times the suggested maximum number of IP cameras.

[Synology Drive](#)

Recommended Number of Concurrent Sync Clients

200 (the number of connections that can be maintained when the recommended number of hosted files was reached)

Recommended Number of Hosted Files

500,000 (applies to files indexed or hosted by [Synology Drive](#). For file access through other standard protocols, refer to the File Services section above)

Notes

- Exceeding the recommended numbers above will not block application operations, but may result in longer response time.
- Btrfs file system and non-encrypted shared folders were used

[Synology Office](#)

Suggested Users
Notes

500

during the
aforementioned
testing.

- Suggested users is derived from testing in an environment with 60% idle users (each logging in and viewing documents) and 40% active users (each executing random actions at intervals of 20 to 40 seconds) operating within documents, each document having 30 users. [Learn more](#)
- Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM

[VPN Server](#)

Maximum Connections

20

Specification

NAS	
CPU Model	Realtek RTD1619B
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	1.7 GHz
Hardware Encryption Engine	YES
Memory	2 GB DDR4 non-ECC
Drive Bays	4
Compatible Drive Type	3.5
Hot Swappable Drive	YES
RJ-45 1GbE LAN Port	2
USB 3.2 Gen 1 Port	2
System Fan	80 mm x 80 mm x 2 pcs

Power Supply Unit /
Adapter

90 watts 100V to 240V AC 50/60 Hz, Single Phase

Product Gallery

