

# DiskStation DS423



**Brand:** Synology

**Product Code:** DS423

**Availability:** 10

**Weight:** 2.21kg

**Dimensions:** 230.00mm x 168.00mm x 184.00mm

**Call for Price:**

## 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.

<a href="#">Account &amp; Shared Folder</a>	Maximum Local User Accounts	1,024
	Maximum Local Groups	256
	Maximum Shared Folder	256
	Maximum Shared Folder Sync Tasks	4
	<a href="#">Hybrid Share</a>	Maximum Hybrid Share Folders
<a href="#">Hyper Backup</a>	Folder and Package Backup	
<a href="#">Log Center</a>	Syslog Events per Second	400
<a href="#">General Specifications</a>	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"> <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	For an updated list of supported browser versions, check the <a href="#">DSM Technical Specifications</a> .

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

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

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	
Compatible Drive Type	3.5
CPU Architecture	64-bit
CPU Core	4
CPU Frequency	1.7 GHz
CPU Model	Realtek RTD1619B
CPU Quantity	1
Drive Bays	4
Hardware Encryption Engine	YES
Hot Swappable Drive	YES
Memory	2 GB DDR4 non-ECC
Power Supply Unit / Adapter	90 watts 100V to 240V AC 50/60 Hz, Single Phase
RJ-45 1GbE LAN Port	2



System Fan	80 mm x 80 mm x 2 pcs
USB 3.2 Gen 1 Port	2

## Product Gallery

