## DiskStation DS423



**Brand:** Synology **Product Code:** DS423

**Availability:** 10 **Weight:** 2.21kg

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

184.00mm

Price: 34,511.00EGP

#### **Short Description**

Synology 4 Bay DiskStation DS423

#### **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

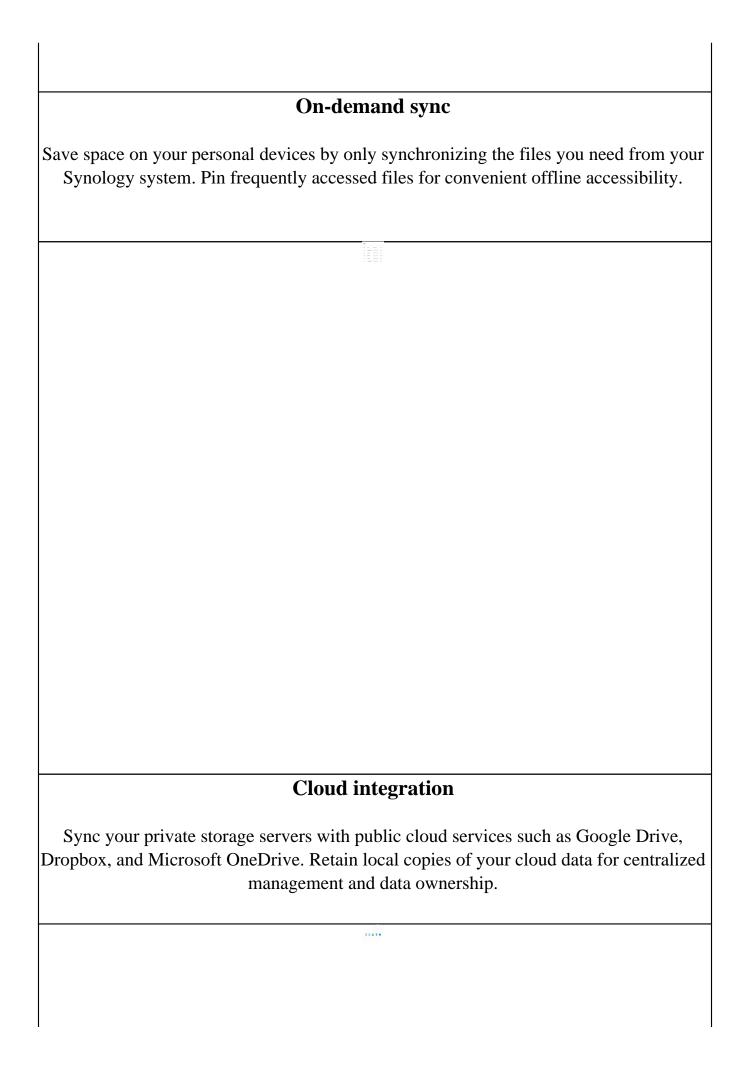
## Create a private cloud hub for your data

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.



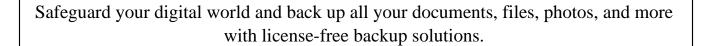


Cross-platform sharing	
Build a private data cloud that syncs and shares files swiftly between multiple storag servers, letting everyone access the same set of data at their convenience.	e

	Safeguard your data
generatio	by Synology DiskStation Manager (DSM), the DS423 utilizes Btrfs, a next- n 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
Back up your memo	photos, albums, and other media with smart and intuitive features. ories with the mobile app, and leverage privacy-focused options to e media securely with friends, family, or colleagues.
	30% faster photo indexing

P	ro	tect	all	your	data
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### 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
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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 108 TB

Size

Maximum Internal Volume 64

Number

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.

• Btrfs

• ext4

• Btrfs

• ext4

• ext3

• FAT

• NTFS

• HFS+

• exFAT

• SMB

• AFP

• NFS

• FTP

• WebDAV

• Rsync

200

Maximum Concurrent

SMB/AFP/FTP Connections Windows Access Control

List (ACL) Integration

NFS Kerberos Authentication

Notes The to

The testing standard was based on the maximum number of concurrent

connections supported by this model. During the testing,

File System

**Internal Drives** 

**External Drives** 

File Services

File Protocol

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

1,024

5

Accounts

Maximum Local Groups 256 Maximum Shared Folder 256 Maximum Shared Folder 4

Sync Tasks

<u>Hybrid Share</u> Maximum Hybrid Share

**Folders** 

<u>Hyper Backup</u> Folder and Package Backup

<u>Log Center</u> 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 • Chrome

FirefoxEdgeSafari

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 <u>DSM Technical</u>

Specifications.

Add-on Packages <u>view the complete package list</u> <u>Synology Chat</u>

Download Station	Maximum Concurrent Download Tasks	80
SAN Manager	Maximum iSCSI Target Number	128
Madia Campan	Maximum LUN LUN Clone/Snapshot, Windows ODX	256
Media Server Synology Photos	DLNA Compliance 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)  Suggested Maximum IP Cameras and Total FPS (H.265)	<ul> <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> <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</li> </ul>
		FPS • 4K: 20 channels, 200 FPS
	Notes	<ul> <li>Performance figures are obtained from testing conducted with the device fully populated with drives, with their default</li> </ul>

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.

Recommended Number of Concurrent Sync Clients

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

Recommended Number of **Hosted Files** 

> • Exceeding the recommended numbers above will operations, but may result in longer

not block application response time. • Btrfs file system and

non-encrypted shared folders were used

**Notes** 

**Synology Drive** 

during the aforementioned testing.

Synology Office Suggested Users

Notes

• 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

<u>VPN Server</u> Maximum Connections 20

#### **Specification**

Realtek RTD1619B
1
4
64-bit
1.7 GHz
YES
2 GB DDR4 non-ECC
4
3.5
YES
2
2
80 mm x 80 mm x 2 pcs

te

500

Power Supply Unit /
Adapter

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

# **Product Gallery**





