DiskStation DS423+

Brand: Synology
Product Code: DS423+
Availability: 10
Weight: 2.18kg
Dimensions: 223.00mm x 199.00mm x 166.00mm

Price: 44,328.00EGP

Short Description
Synology 4 Bay DiskStation DS423+

Description

Conquer home office data chaos

Powerful functionality packed into a 4-bay chassis

Capable and compact

Consolidate and share

Store, organize, and share up to 80 TB of data.

Integrated data protection

Contains hardware and software safeguards engineered to protect your data — trusted by millions.

A capable all-around performer

The versatile DS423+ can serve as a central storage device as well as a multimedia hub.

Up to226/224 MB/sread/write[1]

2 x M.2NVMeSSD slots[2]

2 x1GbELAN ports

Btrfs: advanced file system for data protection

The Synology DiskStation Manager (DSM) operating system that powers DS423+ uses the advanced Btrfs file system, which safeguards your data against corruption and allows for the reversal of any unintended or malicious changes through the use of snapshot technology.

Store, share, and protect

Manage all your documents, photos, and other files, back up applications and devices, and protect your physical assets with professional video surveillance.

Private cloud for seamless data access

A private cloud for all your devices

Store, sync, access, and share data from any device, wherever you are. Work seamlessly between different platforms and devices, and access your files through mobile apps, desktop clients, and a browser-based interface. Quickly and easily roll back files in case of accidental deletion, mistakes, malware, etc., with the versioning feature.

Keep your photos organized

Effortlessly keep multiple Synology NAS in sync

Share data with the power of the cloud

Multi-layered backup

Back up PCs, smartphones, cloud apps, and more

Consolidate and automate backup tasks for PCs, file servers, VMs, SaaS applications, and more with Active Backup Suite. Administer device backups remotely through a centralized portal and quickly restore specific files or entire devices to keep your

business up and running. Take advantage of built-in remote backup solutions designed to protect your data with seamless 3-2-1 backup configurations.

Perform full Synology system backups

Protect folders and LUNs with snapshots

Smart surveillance

Synology Surveillance Station

Protecting your business has never been easier, with centralized management, support for over 8,300 IP camera models, and remote monitoring and playback. Synology's video management system provides all the tools you need for live monitoring, investigation, management, and backup.

Dual recording to the cloud

Software
DSM Specifications

[Storage Management](#)	Maximum Single Volume Size	108 TB
	Maximum Internal Volume Number	64
	M.2 SSD Storage Pool Support*	
	SSD Read/Write Cache [(Determining cache size)](#)	
	SSD TRIM	
	Supported RAID Type	- Synology Hybrid RAID - Basic - JBOD - RAID 0 - RAID 1 - RAID 5 - 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 - RAID 5
	Notes	Creating M.2 storage

		pools requires the use of Synology-verified SSDs, which are rigorously tested under extreme temperature conditions. Thermal parameters for SSDs and NAS units are fine-tuned to ensure optimal management of thermal conditions under I/O-intensive environments. ([Learn more](#)) • 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	• Btrfs • ext4
	External Drives	• Btrfs • ext4 • ext3 • FAT • NTFS • HFS+ • exFAT
[File Services](#)	File Protocol	• SMB • AFP

		- NFS - FTP - WebDAV - Rsync
	Maximum Concurrent SMB/AFP/FTP Connections	500
	Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)	1,500
	Windows Access Control List (ACL) Integration	
	NFS Kerberos Authentication	
	Notes	- Regarding data concerning tests with RAM expansion, all memory slots are installed with the maximum capacity of supported RAM. - 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	2,048
	Maximum Local Groups	256
	Maximum Shared Folder	512
	Maximum Shared Folder Sync Tasks	8

[Hybrid Share](#)	Maximum Hybrid Share Folders	10
[Hyper Backup](#)	Folder and Package Backup	
	Entire System Backup	
	Notes	Full-system backup requires DSM 7.2 or later.
[High Availability](#)	Synology High Availability	
[Log Center](#)	Syslog Events per Second	800
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	- 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](#)

[Central Management System](#)

[Synology Chat](#)	Suggested Users	100
	Notes	Measured with simulated users, each with an average record of 20,000 messages, emojis, or

		stickers. The required server response time is below ten seconds.
		• Models with expandable memory are tested with their maximum supported memory.
Download Station	Maximum Concurrent Download Tasks	80
SAN Manager	Maximum iSCSI Target Number	128
	Maximum LUN LUN Clone/Snapshot, Windows ODX	256
Synology MailPlus / MailPlus Server	Free Email Accounts	5 (Additional accounts require purchase of licenses)
	Suggested Users	500
	Maximum Server Performance	1,224,000 emails per day, approx. 37GB
	Notes	• Suggested users is derived from testing in an environment with 20% heavy users (each with 20,000 pre-populated emails and receiving 240 emails per day) and 80% light users (each receiving an average of 20 emails per day). Learn more
		• Models with more than 4 bays were installed with two SSDs for SSD cache.
		• Models with expandable memory are tested with their maximum supported memory.
		• The performance of

		the mail system will slightly decrease in high-availability mode due to data synchronization between the two servers.
		• Functions that were enabled in all of the tests above: anti-spam, anti-virus, DNSBL, greylist, content scan, full-text search (English only).
Media Server Synology Photos	DLNA Compliance Facial Recognition Object Recognition	
	Notes	Object recognition requires an upgrade of memory capacity to a minimum of 4 GB.
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)	• 720p: 40 channels, 1200 FPS • 1080p: 40 channels, 800 FPS • 3M: 35 channels, 350 FPS • 5M: 28 channels, 280 FPS • 4K: 17 channels, 170 FPS
	Suggested Maximum IP Cameras and Total FPS (H.265)	• 720p: 40 channels, 1200 FPS • 1080p: 40 channels, 1200 FPS • 3M: 40 channels, 600

		FPS
		- 5M: 40 channels, 480 FPS
		- 4K: 20 channels, 200 FPS
	Notes	- 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	350 (the number of connections that can be maintained when the recommended number of hosted files was reached)
	Recommended Number of Hosted Files	5,000,000 (applies to files indexed or hosted by [Synology Drive](#). For file access through other standard

	Notes	protocols, refer to the File Services section above) • Exceeding the recommended numbers above will not block application operations, but may result in longer response time. • Utilizing SSD cache can significantly improve performance. • Models with expandable memory are tested with their maximum supported memory. • Btrfs file system and non-encrypted shared folders were used during the aforementioned testing.
[Synology Office](#)	Suggested Users Notes	3,000 • 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](#) • Models with expandable memory are tested with their maximum supported

memory.
- Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM

[Virtual Machine Manager](#)	Recommended Virtual Machine Instances	2 [(Learn more)](#)
	Recommended Virtual DSM Number [(Licenses required)](#)	2 (including 1 Free License)
	Notes	The specifications vary depending on system configuration and memory size.
[VPN Server](#)	Maximum Connections	40

Specification

NAS	
CPU Model	Intel Celeron J4125
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	2.0 (base) / 2.7 (turbo) 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	92 mm x 92 mm x 2 pcs
Power Supply Unit / Adapter	90 watts 100V to 240V AC 50/60 Hz, Single Phase
Total Memory Slots	1
Maximum Memory Capacity	18 GB (2 GB + 16 GB)
M.2 Drive Slots	2 (NVMe)

Product Gallery