

DiskStation DS425+



Brand: Synology

Product Code: DiskStation DS425+

Availability: 10

Weight: 2.18kg

Dimensions: 223.00mm x 199.00mm x
166.00mm

Price: 38,500.00EGP

Short Description

Synology 4 Bay DiskStation DS425+

Description

Take command of your most important data



Secure private cloud

Anywhere, anytime secure access to all your data.



Data sharing made easy

Streamline teamwork and access to shared files.



Hassle-free backups

Effortlessly protect files using intuitive tools.

Productivity in the private cloud

DS124 is designed for professionals to share, sync, and work together more efficiently.

Anytime, anywhere access

Access, manage, and share your files and media from anywhere with Synology Drive. Available on PC, Mac, Linux, Chromebook, Android, iOS, or any device equipped with a browser.



Intelligent backup and syncing

Safeguard against ransomware attacks or accidental deletion with real-time or scheduled folder backups. Reduce local storage use with on-demand sync, only downloading files as needed.

Project

Name	Status	Date modified	Type
Export	✓ Downloaded	10/30/2022 9:59 AM	File folder
Frame	☁ Online	3/15/2022 4:27 AM	SVG File
Mockup	✓ Pinned	4/30/2022 5:16 AM	PNG File
Layout	☁ Online	8/15/2022 9:30 AM	PDF File
Spec	✓ Downloaded	9/21/2022 8:16 AM	TXT File

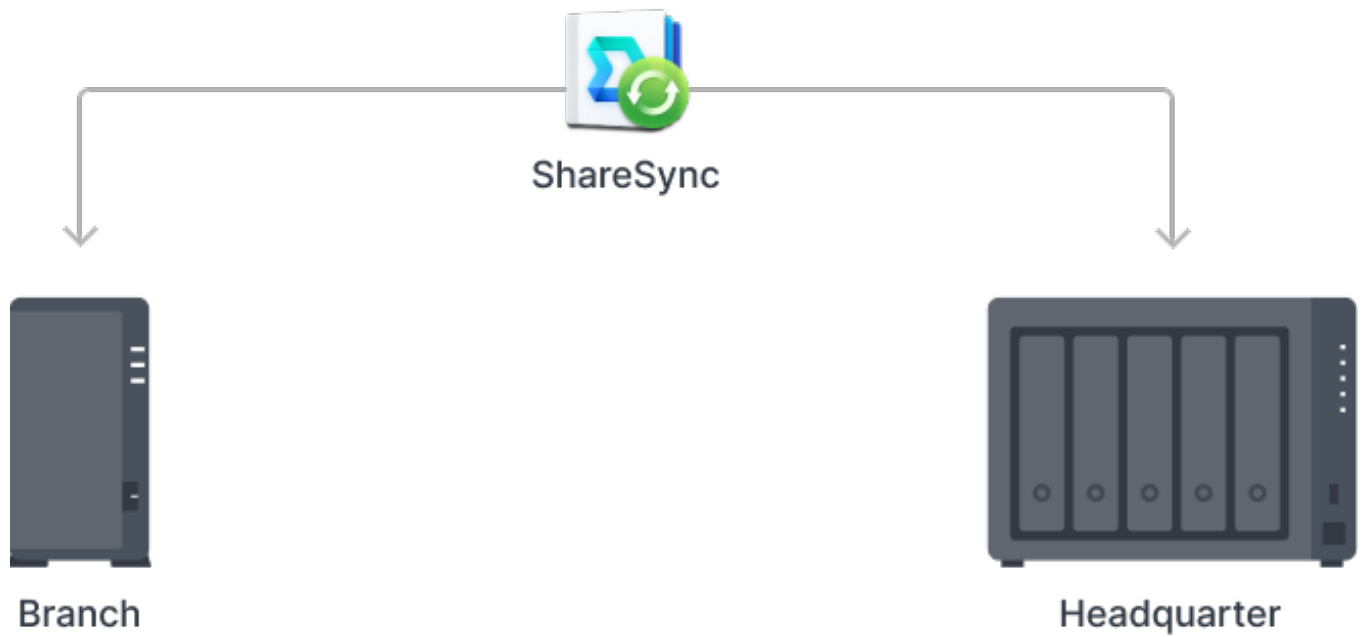
Seamless cloud syncing

Synchronize files between your DS124 and public cloud services using Synology Cloud Sync. Retain local backup copies of data stored on Google Drive, Dropbox, Microsoft OneDrive, and more, and ensure data ownership.



Sync up with teams, even at the edge

Automatically keep data synchronized between Synology systems in different locations with Synology Drive ShareSync to improve cross-site workflows.



Store, share, and protect

Use your DS124 to manage all your documents, photos, and other files, or protect your physical assets with professional video surveillance.

Photo management

Manage your photo collection

Organize your photos and videos with smart and intuitive features. Browse automatically

generated albums using facial recognition, geolocation, tags, and more.

Sharing made safer and easier

Securely share media with others while leveraging enhanced privacy features for greater peace of mind. Create a Shared Space to work together with invitees using a folder-based media library.

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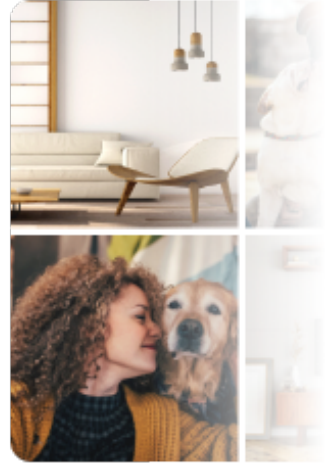
People



Places



Tags



Video surveillance

Wide compatibility

Choose from over 8,300 IP cameras or ONVIF devices compatible with Synology Surveillance Station to keep your premises secure.

Universal access

Watch live camera streams through web browsers, desktop clients, or mobile apps. Get notified of events and take immediate action.

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Add an extra layer of protection

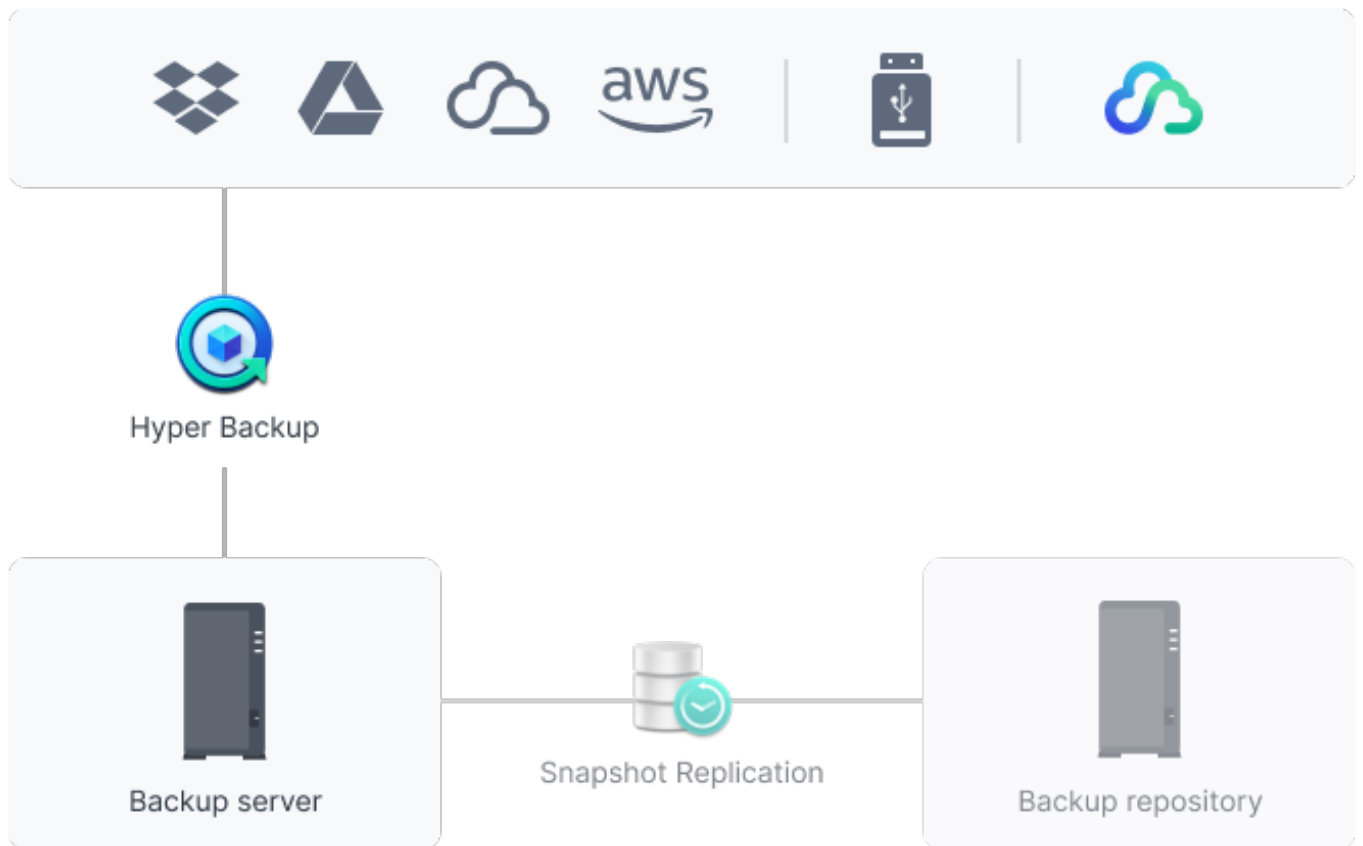
Perform full Synology system backups

Back up your entire Synology device, including system settings and applications, or select specific folders. Transfer all backup data to multiple destinations using Hyper Backup.

Keep your data safe with snapshots

Take your data protection to the next level by creating automatic point-in-time snapshots of shared folders that can be copied off-site and rapidly restored using Snapshot Replication.

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Software Specs

DSM Specifications		
Storage Management	Maximum Single Volume Size	108 TB
	Maximum Internal Volume Number	32
	M.2 SSD Storage Pool Support*	yes
	SSD Read/Write Cache (Determining cache size)	yes
	SSD TRIM	yes

	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 • RAID 5
	Notes	• Each internal volume (may consist of multiple drives) is expandable up to 108TB. • Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration. • 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. • 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)
File System	Internal Drives	• Btrfs • ext4
	External Drives	• Btrfs • ext4 • ext3 • FAT32 • NTFS • HFS+ • exFAT
File Services	File Protocol	• SMB • AFP • NFS • FTP • WebDAV • Rsync
	Maximum Number	10

	of SMB Connections (FSCT-Based)	
	Windows Access Control List (ACL) Integration	yes
	NFS Kerberos Authentication	yes
	Notes	• Connection value of this model is tested with Synology SATA HDD fully populated and all onboard network ports • Models with expandable memory are tested with the maximum supported quantity installed. • SMB performance was evaluated using Microsoft File Server Capacity Tool (FSCT) version 1.3, with the following configuration: ◦ Test workload: HomeFolder scenario provided by the FSCT tool ◦ Test duration: 600 seconds ◦ Domain controller & FSCT controller: Windows Server 2022 ◦ FSCT clients: 8 × Windows 10 machines ◦ SMB feature: Directory leasing enabled
Account & Shared Folder	Maximum Local User Accounts	512
	Maximum Local Groups	128
	Maximum Shared Folder	128

	Maximum Shared Folder Sync Tasks	4
Hybrid Share	Hybrid Share Folder Number	10
Hyper Backup	Data & Folder Backup	yes
	Entire System Backup	yes
High Availability	Synology High Availability	yes
Log Center	Syslog Events per Second	800
Virtualization	VMware vSphere	ESXi 8.0 U2, ESXi 8.0 U1, ESXi 8.0, ESXi 7.0 U3, ESXi 7.0 U2, ESXi 7.0 U1, ESXi 7.0, ESXi 6.7 U3, ESXi 6.7 U2, ESXi 6.7 U1, ESXi 6.7, ESXi 6.5 U3, ESXi 6.5 U2, ESXi 6.5 U1, ESXi 6.5
	Microsoft Hyper-V	Windows Server 2022
	Citrix XenServer	XenServer 8, Citrix Hypervisor 8.2 LTSR CU1
	OpenStack	Cinder
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	yes	
Synology AI Console	Third-Party AI Model Integration	yes
Synology Chat	Maximum Number of 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 the maximum supported quantity installed.
Download Station	Maximum Concurrent Download Tasks	80
SAN Manager	Maximum iSCSI Target Number	2
	Maximum LUN	4
	LUN Clone/Snapshot, Windows ODX	yes
Synology MailPlus / MailPlus Server	Free Email Accounts	5 (Additional accounts require purchase of licenses)
	Maximum Number of Users	20
	Notes	• The suggested maximum number of users is based on the following workload: 20% of users with a 20,000 item mailbox randomly performing actions and receiving 240 emails per day, and 80% of users receiving 20 emails per day. Learn more • Models with SSD support are tested

		with a single SSD volume. - Models with expandable memory are tested with the maximum supported quantity installed. Learn more about memory requirements. - Operating in high-availability mode will incur additional overhead. - Features enabled during evaluation: anti-spam, anti-virus, DNSBL, greylist, content scanning, and full-text search (English).
Media Server	DLNA Compliance	yes
Synology Photos	Facial Recognition	yes
	Object Recognition	yes
	Notes	Object recognition requires an upgrade of memory capacity to a minimum of 4 GB.
Snapshot Replication	Maximum Snapshots per Shared Folder	128
	Maximum of System Snapshots	1,024
Surveillance Station	Default Licenses	2 (Additional cameras require purchase of licenses)
	Maximum IP Cameras and Total FPS (H.264)	1080p: 40 channels, 800 FPS 3M: 35 channels, 350 FPS 5M: 28 channels, 280 FPS 4K: 17 channels, 170 FPS
	Maximum IP Cameras and Total FPS (H.265)	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 number of video channels that can be viewed simultaneously is double the maximum number of cameras for the same codec and resolution.
Synology Drive	Maximum Number of Users	20
	Maximum 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	• The suggested maximum number of users is based on the following workload: 20% of users randomly perform file operations (upload, download, move, and delete), and 80% of users are logged in but idle. Learn more • Models with SSD support are tested

		with a single SSD volume. • Models with expandable memory are tested with the maximum supported quantity installed. • 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 during the aforementioned testing.
Synology Office	Maximum Number of Users	20
	Notes	• The suggested maximum number of users is based on the following workload: 20% of users are executing random actions at an average of 30-second intervals, and 80% of users are logged in and viewing a file. Learn more • Models with SSD support are tested with a single SSD volume. • Models with expandable memory are tested with the maximum supported quantity installed. • 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	4

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" SATA HDD 2.5" SATA SSD M.2 2280 NVMe SSD
RJ-45 1GbE LAN Port	1
USB 3.2 Gen 1 Port	2
System Fan	92 mm x 92 mm x 2 pcs
Maximum Memory Capacity	6 GB (2 GB + 4 GB)
M.2 Drive Slots	2 (NVMe)
Network Switches	
2.5GbE (RJ45)	1

Product Gallery

