

DiskStation DS124



Brand: Synology

Product Code: DS124

Availability: 10

Weight: 0.70kg

Dimensions: 166.00mm x 71.00mm x
224.00mm

Price: \$12,694.00

Short Description

Synology 1 Bay DiskStation DS124

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.



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.



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.



Wide compatibility

Choose from over 8,300 IP cameras or ONVIF devices compatible with Synology Surveillance Station to keep your premises secure.^{[1](#)}

Universal access

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



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.²

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.



Software

DSM Specifications

Storage Management	Maximum Single Volume Size	108 TB
	Maximum Internal Volume Number	1
	SSD TRIM	
	Supported RAID Type	<ul style="list-style-type: none">• Basic
	Notes	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Btrfs• ext4
	External Drives	<ul style="list-style-type: none">• Btrfs• ext4• ext3• FAT• NTFS• HFS+• exFAT
File Services	File Protocol	<ul style="list-style-type: none">• SMB• AFP• NFS• FTP• WebDAV• Rsync
	Maximum Concurrent SMB/AFP/FTP Connections	200
	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 1,024

Accounts

Maximum Local 256

Groups

Maximum Shared 256

Folder

Maximum Shared 4

Folder Sync Tasks

[Hyper Backup](#)

Data & Folder

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

- 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 80

SAN Manager	Download Tasks	
	Maximum iSCSI Target Number	10
	Maximum LUN	10
	LUN Clone/Snapshot, Windows ODX	
Media Server	DLNA Compliance	
Synology Photos	Facial Recognition	
Snapshot Replication	Maximum Snapshots per Shared Folder	256
	Maximum of System Snapshots	4,096
	Default Licenses	2 (Additional cameras require purchase of licenses)
Surveillance Station	Suggested Maximum IP Cameras and Total FPS (H.264)	<ul style="list-style-type: none"> • 720p: 12 channels, 360 FPS • 1080p: 12 channels, 300 FPS • 3M: 12 channels, 200 FPS • 5M: 12 channels, 140 FPS • 4K: 9 channels, 90 FPS
	Suggested Maximum IP Cameras and Total FPS (H.265)	<ul style="list-style-type: none"> • 720p: 12 channels, 360 FPS • 1080p: 12 channels, 360 FPS • 3M: 12 channels, 240 FPS • 5M: 12 channels, 200 FPS • 4K: 12 channels, 140 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	200 (the number of connections that can be

Number of Concurrent Sync Clients	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	<ul style="list-style-type: none"> 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](#)

Suggested Maximum Users	500
Suggested Concurrent Users	200
Notes	<ul style="list-style-type: none"> Multiple files were opened for testing and each file was edited by 30 users simultaneously. Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM

[VPN Server](#)

Maximum Connections	20
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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	1 GB DDR4 non-ECC
Drive Bays	1
Compatible Drive Type	3.5 / 2.5 SATA - SSD
RJ-45 1GbE LAN Port	1
USB 3.2 Gen 1 Port	2

System Fan	60 mm x 60 mm x 1 pcs
Power Supply Unit / Adapter	36 watts 100V to 240V AC 50/60 Hz, Single Phase

Product Gallery

