




Synology DS124 Disk Station Instruction Manual

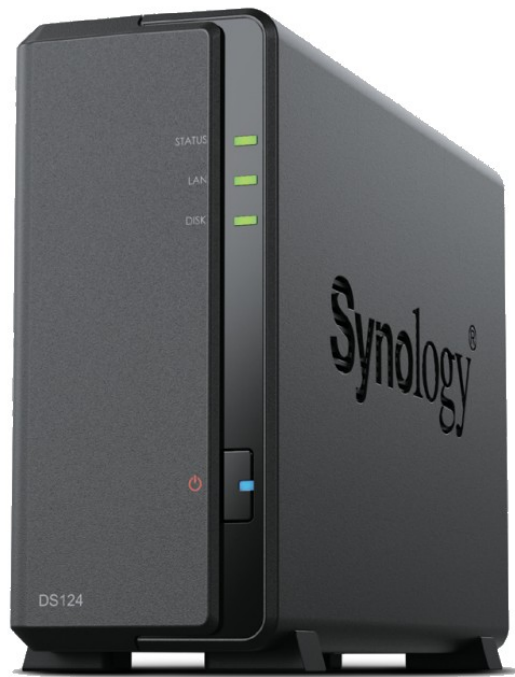
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DS124 Disk Station





Mini Data Management Hub

Bring scattered data under control with the DS124, a super compact data hub that empowers effortless data centralization, organization, and sharing. License-free solutions in Synology DiskStation Manager (DSM) allow you to establish a secure private cloud, conveniently access files from any device, and collaborate seamlessly with partners or clients.

- Centralized Data Hub
Consolidate all your data with complete data ownership and multi-platform access
- Seamless Sharing and Syncing
Sync and share data across devices and operating systems, enabling effortless collaboration
- Built-in Data Protection
Back up your files to a variety of destinations
- Smart Surveillance
Create a comprehensive video surveillance system that scales with your needs

Centralized Data Hub with Anytime Access

Securely and conveniently store any type of data with the aid of our comprehensive and intuitive [access and management tools](#).

- Access your storage securely from anywhere without configuring complex port forwarding rules by enabling Synology QuickConnect
- Browse and manage your files from any browser or through Windows File Explorer, Finder on Mac, and more
- Keep photos organized using [Synology Photos](#)' smart sorting functions
- Easily incorporate into existing network infrastructure as edge storage thanks to Windows AD and LDAP support

Streamlined Sharing, Collaboration, and Synchronization

Boost team productivity and client engagements by effortlessly sharing and syncing files, photos, and documents using [Synology's integrated](#) solutions.

- Build a private data cloud for easy file management and sharing across all desktop and mobile devices, and keep data on your Synology systems in sync with [Synology Drive](#)
- Take advantage of the strengths of both public and private clouds by keeping them in sync with [Synology Cloud Sync](#)
- Share visual assets with stakeholders through the privacy-focused sharing options in [Synology Photos](#)

Versatile Backup and Data Protection Options

Synology DSM offers a range of comprehensive and user-friendly backup and data protection solutions that are included at no additional cost.

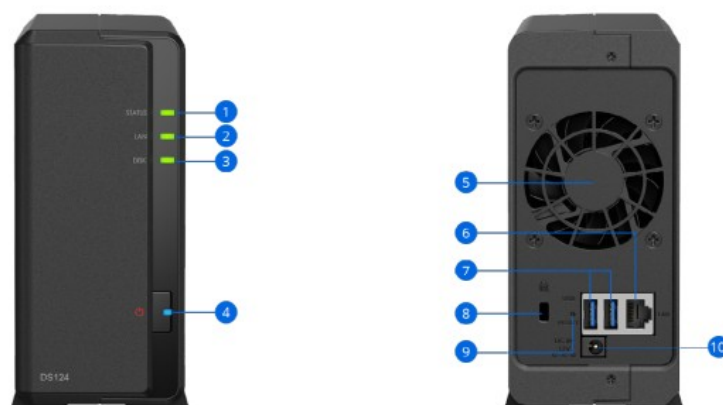
- Leverage real-time and scheduled backups of your PC folders with [Synology Drive](#) to protect data against ransomware attacks or accidental deletion
- Safeguard photos and videos taken on mobile devices with automatic backups to DS124 using [Synology Drive](#) or [Synology Photos](#)
- Efficiently back up your entire Synology NAS or select folders to a wide range of destinations, including public clouds such as C2 Storage¹, using Hyper Backup²
- Create point-in-time copies of shared folders that can be replicated to other Synology systems and rapidly restored with [Snapshot Replication](#)

Private Video Surveillance

[Synology Surveillance Station](#) transforms any Synology system into a powerful network video recorder (NVR).

- 8,300+ supported camera models
- ONVIF support for a broader selection of cameras
- Private, subscription-free storage of recordings
- Access through web browsers, desktop clients, and mobile apps
- Event-based rules to trigger specific actions
- Email, SMS, and push notification options
- Simultaneous recording to the cloud with [C2 Surveillance](#) for an extra layer of data protection, online access, and more convenient sharing³

Hardware Overview



1 Status Indicator	6 LAN Port
2 LAN Indicator	7 USB 3.2 Gen 1 Ports
3 Drive Status Indicators	8 Kensington Security Slot
4 Power Button	9 Reset Button
5 Fan	10 Power Port

Technical Specifications

Hardware

CPU	Realtek RTD1619B
Memory	1 GB DDR4
Compatible drive types	<ul style="list-style-type: none"> • 1 x 3.5" or 2.5" SATA SSD/HDD (drives not included)⁴ • Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability⁵
Hot swappable drives	Yes
External ports	2 x USB 3.2 Gen 1 ports
Form factor	Desktop
Size (HxWxD)	166 x 71 x 224 mm
Weight	0.7 kg
LAN ports	1 x 1GbE RJ-45
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fans	1 x (60 x 60 x 15 mm)
AC input power voltage	100 V to 240 V AC
Power frequency	50/60 Hz, single phase
Operating environment	<ul style="list-style-type: none"> • Temperature: 0°C to 40°C (32°F to 104°F) • Relative humidity: 8% to 80% RH
Storage environment	<ul style="list-style-type: none"> • Temperature: -20°C to 60°C (-5°F to 140°F) • Relative humidity: 5% to 95% RH
Maximum operating altitude	5,000 m (16,400 ft)

General DSM Specifications

Networking protocols	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
File systems	<ul style="list-style-type: none"> • Internal: Btrfs, ext4 • External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT
Supported RAID types	Basic
Storage management	<ul style="list-style-type: none"> • Max. single volume size: 108 TB • Max. number of system snapshots: 4,096 • Max. number of internal volumes: 1
File sharing capabilities	<ul style="list-style-type: none"> • Max. number of local user accounts: 1,024 • Max. number of local groups: 256 • Max. number of shared folders: 256 • Max. number of concurrent SMB/NFS/AFP/FTP connections: 200
Privileges	Windows® Access Control List (ACL) and application privileges
Directory services	Connects with Windows® AD/LDAP servers enabling domain users to log in via SMB/NFS/AFP/FTP/File Station using their existing credentials
Security	Firewall, shared folder encryption, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, and HTTPS (customizable cipher suite)
Supported browsers	Google Chrome®, Firefox®, Microsoft Edge®, Safari® 14 and later, and Safari (iOS 14.0 and later) on iPad, Chrome (Android™ 11.0 and later) on tablets
Interface languages	English

Packages and Applications

File Server & Synchronization	Multimedia	SAN Storage
Drive File Station Presto File Server ⁷ Cloud Sync Universal Search Migration Assistant	Synology Photos Video Station Audio Station iTunes® Server	SAN Manager

Surveillance	Data Protection & Backup Solutions	Office Productivity
Surveillance Station ⁸	Hyper Backup Snapshot Replication	Synology Office Synology Calendar Note Station

Management & Administration		Others
Synology Directory Server Central Management System VPN Server Active Insight9 Storage Analyzer	Antivirus Essential Web Station DNS Server RADIUS Server Log Center	iOS/Android™ applications



Scan the QR code to download the detailed Product Specification sheet
<https://sy.to/ds124suppss>

Environment and Packaging

Environment safety	RoHS compliant
Package contents	<ul style="list-style-type: none"> • 1 x DS124 main unit • 1 x Quick Installation Guide • 1 x Accessory pack • 1 x AC power adapter • 1 x RJ-45 LAN cable
Optional accessories ¹⁰	<ul style="list-style-type: none"> • 3.5" SATA HDD: Plus Series • Surveillance Device License Pack⁸ • Extended Warranty: Extended Warranty Plus¹¹ • Disk Holder (Type C)
Warranty	2 years ^{11,12}

Note: Specifications are subject to change without prior notice. Please refer to the model's [specifications page](#) for the most up to date information.

1. C2 Storage for Hyper Backup requires purchase of an eligible [annual or monthly subscription](#). A free trial is available for each newly registered
2. C2 Storage is the only available cloud destination for full-system backups through Hyper
3. C2 Surveillance requires purchase of an eligible [annual subscription](#). Each additional channel requires a separate A free trial is available.
4. A drive holder, sold separately, is required to install 5" drives. For compatible drive holders, check the [spare parts list](#).
5. Check our [compatibility list](#) for supported drives.
6. System snapshots include snapshots taken by SAN Manager and Snapshot Replication.
7. Presto File Server license can be purchased separately through the application.
8. Surveillance Station includes two free Connecting more cameras and devices requires additional licenses.
[Learn more](#)


9. Certain advanced features require purchase of an eligible [annual subscription](#). A free trial is available.
10. Please refer to our [compatibility list](#) for the latest optional accessories list.
11. The warranty period starts from the date of purchase as stated on your purchase receipt. Visit <https://www.synology.com/company/legal/warranty> for more information.
12. Up to 4 years of warranty are available as an additional bundle with Extended Warranty Plus, a 2-year extended warranty service add-on available in select regions. Check availability for [Extended Warranty Plus](#).

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Documents / Resources

	Synology DS124 Disk Station [pdf] Instruction Manual DS124 Disk Station, DS124, Disk Station, Station
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References

- [Syno Legal | Synology Inc.](#)
- [User Manual](#)

Manuals+, [Privacy Policy](#)

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