

Datasheet



DiskStation

# DS925+

Synology

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## Versatile 4-Bay Storage Solution with Expandable Capacity

The Synology DS925+ is a capable 4-bay NAS solution that can adapt to growing storage demands. With support for up to nine drives with expansion unit<sup>1</sup>, two M.2 NVMe slots for caching<sup>2</sup> and built-in 2.5GbE. Powered by Synology DiskStation Manager (DSM), it offers a flexible all-in-one solution for data sharing, synchronization, backup, and surveillance.

- **Dependable Performance**  
Up to 522/565 MB/s sequential read/write throughput<sup>3</sup> supports stable data transfers
- **Fast and Flexible Networking**  
Dual 2.5GbE ports provide fast network transfer speeds and increased redundancy
- **Versatile Network Storage**  
Leverage built-in file and photo management, data protection, virtualization, and surveillance solutions
- **Capacity Expansion**  
Add 5 extra drive bays for up to 180 TB<sup>4</sup> of storage with one DX525 expansion unit<sup>1</sup>
- **Extendable Product Support**  
Backed by Synology's 3-year limited hardware warranty, extendable to 5 years in select markets<sup>5,6</sup>

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## Versatile Storage for Any Purpose

The DS925+ offers intuitive and comprehensive file management, media organization, and backup options right out of the box. Its capable performance and compact size make it perfect for users with space constraints, including IT enthusiasts, creative professionals, and businesses of all sizes. It is an ideal edge device for branch offices or retail locations for small firms or large enterprises.

- Up to **522 MB/s sequential read** and **565 MB/s sequential write** performance<sup>3</sup> enables fast file sharing, syncing, streaming, and backup for multiple users
- Two **2.5GbE ports** offer fast networking, with Link Aggregation supporting failover and load balancing capabilities
- Supports 4 × 2.5" SATA SSD and 3.5" SATA HDD<sup>7</sup>. Synology hard drives and SSDs are designed to integrate seamlessly with Synology systems, delivering exceptional reliability
- **Expandable to 9 drives** with Synology **DX525** expansion unit<sup>1</sup>
- Two built-in M.2 slots provide **SSD caching**<sup>2</sup> capability without occupying drive bays

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## Ease of Use and Security Features

A suite of convenience and security features, combined with DSM's intuitive UI, ensures a seamless experience for users of all levels of expertise.

- Easily **access your system from any web browser** via QuickConnect
- Adaptive Multi-Factor Authentication (AMFA) triggers upon suspicious external logins, **providing an additional layer of security**
- Improve management efficiency with **customizable delegation roles**, allowing admins to quickly assign roles to non-admin users while restricting access to critical system settings
- **Active Insight**, Synology's cloud-based fleet monitoring solution, leverages machine learning to detect malware and other malicious activity and automatically creates immutable snapshots to protect your data<sup>8</sup>

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## Built-in Data Protection Solutions

License-free solutions help protect data and configurations on your Synology system, ensure maximum system uptime, and back up and restore all your devices, VMs, and cloud applications.

- **Synology Active Backup Suite** consolidates backup tasks and offers rapid restoration of Windows and Linux endpoints, VMs, Synology NAS, and SaaS applications
- **Hyper Backup** backs up your Synology system data to multiple destinations securely and efficiently with integrity checks and powerful deduplication, compression, and versioning options

- **Snapshot Replication** provides schedulable, near-instantaneous data protection with version control, ensuring that all shared folders and LUNs on your Synology system remain safe and available
- **C2 Storage for Hyper Backup** offers a dedicated secure public cloud destination for Synology NAS backup data<sup>9</sup>

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## A Collaboration, Communication, and Organization Hub

Synology provides a private cloud solution for on-site and remote workers, as well as home users, to concurrently edit documents, share files, manage emails, send instant messages, manage photos, and more.

- **Synology Drive** serves as a centralized hub to keep your files labeled and organized for easy access, offering granular file sharing permissions and customizable security features to ensure file safety
- **Synology Photos** provides a comprehensive solution for storing, organizing, and sharing photos and videos, with powerful features suitable for both personal and professional use
- **Synology Office** enables users to collaborate on documents, spreadsheets, and presentation slides in real time, supported by convenient options such as file versioning for easy restoration and password protection
- **Synology Chat** brings teams together with one-on-one chats, group chats, and encrypted private channels over multiple platforms
- **Synology MailPlus**<sup>10</sup> provides a secure, reliable, and private email server
- **Synology Calendar** helps teams keep track of priorities with convenient calendar sharing and scheduling
- **Synology Hybrid Share** enhances multi-site teamwork with a global hybrid cloud file system which combines the scalability of the cloud with the fast local access provided by Synology systems<sup>9</sup>

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## Private Video Surveillance

**Synology Surveillance Station** transforms any Synology system into a powerful network video recorder (NVR).<sup>11</sup>

- 8,700+ 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

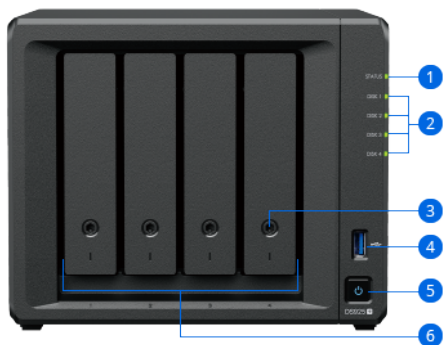
- Simultaneous recording to the cloud with [C2 Backup for Surveillance](#) for an extra layer of data protection and more convenient sharing<sup>12</sup>

#### Notes:

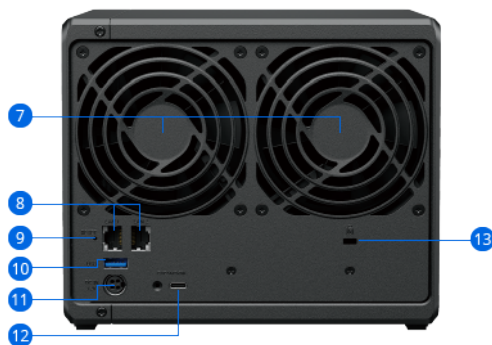
1. DS925+ supports up to 9 drives with a [Synology DX525](#) Expansion Unit, sold separately.
2. SSD cache can be enabled by using Synology SAT5200 Series 2.5" SATA SSD drives in standard drive bays or without occupying drive bays by installing Synology SNV5400 Series M.2 NVMe SSD drives through the built-in M.2 slots. SNV5400 Series M.2 NVMe SSD drives can also be used to create SSD storage pools. Drives are sold separately.
3. Performance figures obtained through internal testing by Synology. Actual performance may vary depending on the testing environment, usage, and configuration. See [performance charts](#) for more information.
4. Raw capacity. Usable storage capacity may vary depending on drives used and RAID configuration.
5. Up to 5 years of warranty are available as an additional bundle with Extended Warranty Plus or Extended Warranty, both 2-year extended warranty service add-ons available in select regions. Check availability for [Extended Warranty](#) or [Extended Warranty Plus](#).
6. 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.
7. Compatible drives are mandatory. Please consult our [compatibility list](#) before purchasing hard drives. For more details, please refer to [this article](#).
8. Synology Active Insight includes three free licenses. Additional licenses can be added with the purchase of an annual [subscription](#).
9. C2 Storage for Hyper Backup and Hybrid Share requires purchase of an annual or monthly [subscription](#). A free trial is available for each newly registered device.
10. Five MailPlus email accounts are included. Additional email accounts can be added with the purchase of Synology MailPlus License Packs. [Learn more](#)
11. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. [Learn more](#)
12. C2 Backup for Surveillance requires purchase of an eligible [annual subscription](#). Each additional channel requires a separate subscription. A free trial is available.

# Hardware Overview

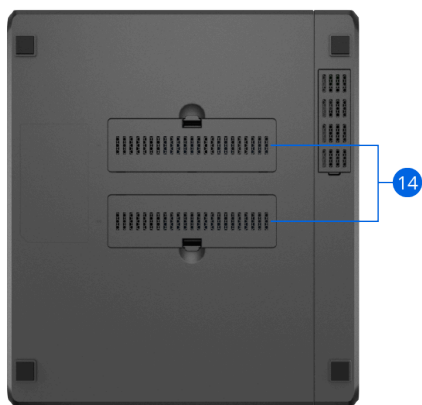
Front



Rear



Bottom



No.	Name	No.	Name
1.	Status indicator	11.	Power port
2.	Drive status indicators	12.	Expansion port
3.	Drive tray lock	13.	Kensington security slot
4.	USB 3.2 Gen 1 port	14.	M.2 NVMe SSD slots
5.	Power button and indicator		
6.	Drive trays		
7.	Fans		
8.	2.5GbE RJ-45 ports		
9.	Reset button		
10.	USB 3.2 Gen 1 port		

# Technical Specifications

## Hardware

### CPU

CPU Model	AMD Ryzen V1500B
CPU Quantity	1
CPU Architecture	64-bit
CPU Frequency	2.2 GHz
Hardware Encryption Engine	Yes

### Memory

System Memory	4 GB DDR4 ECC SODIMM
Memory Module Pre-installed	4 GB (4 GB x 1)
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Notes	Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion.

### Storage

Drive Bays	4
Maximum Drive Bays with Expansion Unit	9 (DX525 x 1)
Drive Type	<ul style="list-style-type: none"><li>• 3.5" SATA HDD</li><li>• 2.5" SATA SSD</li><li>• M.2 2280 NVMe SSD</li></ul>
Hot Swappable Drive	Yes
Notes	Compatible drives are mandatory. Please consult our <a href="#">compatibility list</a> before purchasing hard drives. For more details, please refer to <a href="#">this article</a> .

### External Ports

RJ-45 2.5GbE LAN Port	2
USB 3.2 Gen 1 Port	2
Expansion Port	1

## Appearance

Size (Height x Width x Depth)	166 mm x 199 mm x 223 mm
Weight	2.26 kg

## Others

System Fan	92 mm x 92 mm x 25 mm x 2 pcs
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase

## Temperature

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Relative Humidity	5% to 95% RH
Maximum Operating Altitude	5,000 m

# General DSM Specifications

## Storage Management

Maximum Single Volume Size	<ul style="list-style-type: none"><li>200 TB (32 GB memory required)</li><li>108 TB</li></ul>
Maximum Internal Volume Number	32
SSD Read/Write Cache ( <a href="#">Determining cache size</a> )	Yes
Supported RAID Type	Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10

## 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.
- Volumes over 108 TB require 32 GB of memory or more.

## File System

Internal Drives	Btrfs, ext4
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External Drives	Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT
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## File Services

File Protocol	SMB, AFP, NFS, FTP, WebDAV, Rsync
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Maximum Number of SMB Connections (FSCT-Based) with RAM Expansion	40
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Windows Access Control List (ACL) Integration	Yes
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NFS Kerberos Authentication	Yes
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## Account & Shared Folder

Maximum Local User Accounts	512
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Maximum Local Groups	128
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Maximum Shared Folder	128
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Maximum Shared Folder Sync Tasks	8
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## Virtualization

VMware ESXi 6.5 and VAAI	Yes
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Windows Server 2022	Yes
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Citrix Ready	Yes
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OpenStack	Yes
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## Security

Firewall, encryption shared folder, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, HTTPS (customizable cipher suite)

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## General Specifications

Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV
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Supported Browsers	Chrome, Firefox, Edge, Safari
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Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文
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Notes	For an updated list of supported browser versions, check the <a href="#">DSM Technical Specifications</a> .
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# Packages and Applications

## Synology Drive

Synchronizes files across Windows®, macOS®, Linux®, Android™ and iOS. The built-in cross-platform portal allows access to data anytime and anywhere

Maximum Number of Users	80
Maximum Number of Hosted Files	500,000 (applies to files indexed or hosted by <a href="#">Synology Drive</a> . For file access through other standard protocols, refer to the File Services section above)

## File Station

Provides virtual drives, remote folders, Windows® ACL editor, compression/extraction of archived files, bandwidth control for specific users/groups, creation of sharing links, and transfer logs

## Hybrid Share

Efficiently synchronizes files across sites by keeping shared data on Synology C2 Storage and streaming files to Synology NAS worldwide on request. Frequently requested files are cached at each site for low-latency access C2 Storage for Hyper Backup and Hybrid Share requires purchase of an annual or monthly subscription. A free trial is available for each newly registered device.

## SAN Manager

Maximum iSCSI Target Number	2
Maximum LUN	2
LUN Clone/Snapshot, Windows ODX	Yes

## Virtual Machine Manager

Recommended Virtual Machine Instances	8 ( <a href="#">Learn more</a> )
Recommended Virtual DSM Number ( <a href="#">Licenses required</a> )	8 (including 1 Free License)

## Hyper Backup

Supports local backup, network backup, and data backup to other servers and public clouds, including C2 Storage

## Snapshot Replication

Maximum Snapshots per Shared Folder	128
Maximum of System Snapshots	256

## Synology High Availability

Reduces service downtime by combining two identical NAS into a high-availability cluster

## Synology Chat

Maximum Number of Users 150

## Synology Office

Maximum Number of Users 80

## Synology MailPlus / MailPlus Server

A secure, reliable, and private mail solution featuring high-availability, load balancing, security, and filtering options

Free Email Accounts 5 (Additional accounts require purchase of licenses)

Maximum Number of Users 90

## Surveillance Station

Default Licenses 2 (Additional cameras require purchase of licenses)

Suggested Maximum IP Cameras and Total FPS (H.264)

- 1080p: 40 channels, 1050 FPS
- 3M: 40 channels, 600 FPS
- 5M: 30 channels, 360 FPS
- 4K: 20 channels, 200 FPS

Suggested Maximum IP Cameras and Total FPS (H.265)

- 1080p: 40 channels, 1200 FPS
- 3M: 40 channels, 1000 FPS
- 5M: 40 channels, 600 FPS
- 4K: 30 channels, 300 FPS

## Central Management System

Provides a single interface to manage and monitor multiple Synology NAS

## VPN Server

Maximum Connections 8

## Other packages

Additional 3rd-party packages are available in the Package Center

# Environment & Packaging

## Environment safety

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RoHS Compliant

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## Packaging Content

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- Main Unit X 1
  - Accessory Pack X 1
  - AC Power Adapter X 1
  - AC Power Cord X 1
  - RJ-45 LAN Cable X 2
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## Optional Accessories

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- DDR4 ECC SO-DIMM: D4ES04-4G/D4ES03-8G/D4ES03-16G
  - Expansion Unit: [DX525](#)
  - Enterprise Series 3.5" SATA HDD: [HAT5300 Series](#)
  - Plus Series 3.5" SATA HDD: [HAT3300 Series](#)
  - Enterprise Series 2.5" SATA SSD: [SAT5200 Series](#)
  - Enterprise Series M.2 2280 NVMe SSD: [SNV3400 Series](#)
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## Warranty

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3-year hardware warranty, extendable to 5 years with [EW201](#) or [Extended Warranty Plus](#)

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### Notes

- The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))
  - [Extended Warranty Plus](#) is only available in Europe and North America. [EW201/EW202](#) is only available in Asia, Africa, and Oceania. For exact availability information please visit their respective websites.
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