

Datasheet



DiskStation

DS1525+

Synology

DiskStation

DS1525+



Flexible All-Purpose Data Management Platform

Synology DS1525+ is a versatile 5-bay storage solution that scales with your needs, with support for storage expansion,¹ 10GbE networking,² and SSD caching³. Built-in 2.5GbE networking provides excellent networking performance out of the box. Powered by Synology DiskStation Manager (DSM), this device is a flexible all-in-one solution for data sharing, synchronization, backup, and surveillance.

- **Dependable Performance**
Up to 1,181/1,180 MB/s sequential read/write throughput⁴ supports stable data transfers
- **Fast Networking**
Built-in 2.5GbE ports for fast connectivity out of the box with support for 10GbE
- **Versatile Network Storage**
Leverage built-in file and photo management, data protection, virtualization, and surveillance solutions
- **Capacity Expansion**
Add 10 extra drive bays for up to 300 TB⁵ of raw storage with two DX525 expansion unit¹
- **Extendable Product Support**
Backed by Synology's 3-year limited hardware warranty, extendable to 5 years in select markets^{6,7}

Versatile Storage for Any Purpose

The DS1525+ offers intuitive and comprehensive file management, media organization, and backup options right out of the box. Its capable performance, compact size, and versatile configuration options make it ideal for IT enthusiasts, creative professionals, and businesses of various sizes, from small firms to large enterprises as an edge device for branch offices or retail locations.

- Up to **1,181 MB/s sequential read** and **1,180 MB/s sequential write** performance⁴ 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
- Support for **10GbE networking** via **10GbE RJ-45 Network Upgrade Module** provides versatility and futureproofing
- Supports **5 × 2.5" SATA SSD** and **3.5" SATA HDD**.⁸ Synology hard drives and SSDs are designed to integrate seamlessly with Synology systems, delivering exceptional reliability
- **Expandable to 15 drives** for up to **300 TB of raw storage** with **two Synology DX525 expansion units**¹
- Two built-in M.2 slots provide **SSD caching**³ capability without occupying drive bays

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**⁹, 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

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 MailPlus¹⁰** provides a secure, reliable, and private email server
- **Synology Calendar** helps teams keep track of priorities with convenient calendar sharing and scheduling
- **Synology Hybrid Share¹¹** 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

Reliable Virtualization and Containerization

Leverage your Synology system as **virtual machine storage**, and alternative container or VM host, with full certification for VMware® vSphere™, Microsoft® Hyper-V®, Citrix® XenServer™, and OpenStack environments.

- **Synology Storage Console** for VMware or Windows platforms lets you manage VM storage components directly from your hypervisor. VMware VAAI integration and Windows ODX help offload storage operations and speed up data transfers
- **Host lightweight containers and VMs** for testing, sandboxing, and emergency recovery purposes with **Container Manager** and **Synology Virtual Machine Manager**, a native hypervisor that supports Windows, Linux, and virtual versions of DSM¹²

Private Video Surveillance

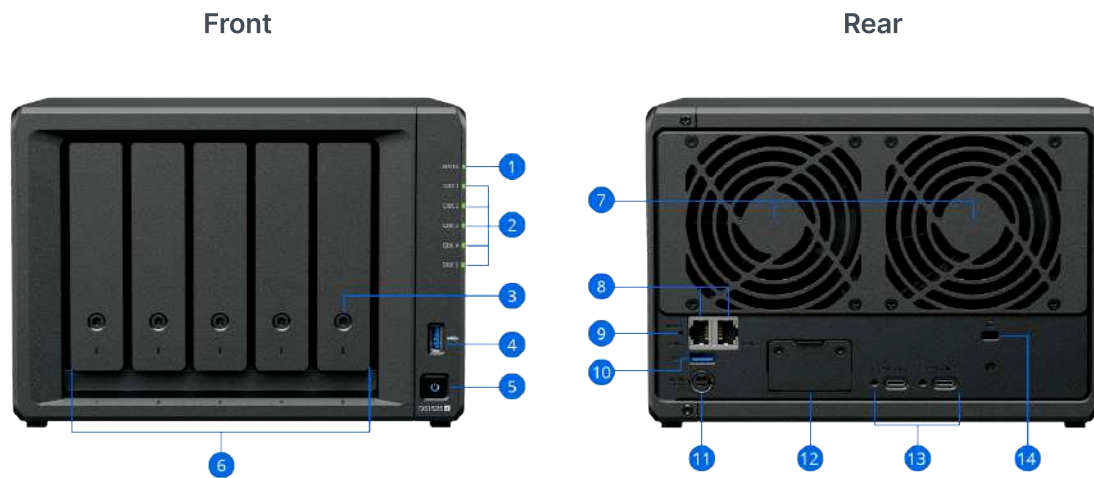
Synology Surveillance Station transforms any Synology system into a powerful network video recorder (NVR).¹³

- 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 sharing¹⁴

Notes:

1. DS1525+ supports up to 15 drives with two [Synology DX525](#) expansion units, sold separately.
2. One 10GbE RJ-45 port can be added to the DS1525+ with Synology E10G22-T1-Mini Network Upgrade Module.
3. Synology Enterprise SATA SSDs or M.2 NVMe SSDs enable SSD caching. M.2 NVMe SSDs can also create storage pools. Drives sold separately.
4. 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.
5. Raw capacity calculated using 20 TB drives. Usable storage capacity may vary depending on drives used and RAID configuration.
6. 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](#).
7. 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.
8. Compatible drives are mandatory. Please consult our [compatibility list](#) before purchasing hard drives. For more details, please refer to [this article](#).
9. Synology Active Insight includes three free licenses. Additional licenses can be added with the purchase of an annual [subscription](#).
10. Synology MailPlus includes five email accounts free of charge. Additional email accounts can be added with the purchase of Synology MailPlus License Packs. [Learn more](#)
11. Hybrid Share requires purchase of an annual or monthly [subscription](#). A free trial is available for each newly registered device.
12. Certain advanced features require [Virtual Machine Manager Pro](#). One Virtual DSM license is included. Additional Virtual DSM instances require the purchase of [Virtual DSM Licenses](#).
13. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. [Learn more](#)
14. 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



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

Technical Specifications

Hardware

| CPU | |
|----------------------------|------------------|
| CPU Model | AMD Ryzen V1500B |
| CPU Quantity | 1 |
| CPU Core | 4 |
| CPU Architecture | 64-bit |
| CPU Frequency | 2.2 GHz |
| Hardware Encryption Engine | Yes |

| Memory | |
|-----------------------------|---|
| System Memory | 8 GB DDR4 ECC SODIMM |
| Memory Module Pre-installed | 8 GB (8 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 | 5 |
| Maximum Drive Bays with Expansion Unit | 15 (DX525 × 2) |
| M.2 Drive Slots | 2 (NVMe) |
| Drive Type | <ul style="list-style-type: none"> • 3.5" SATA HDD • 2.5" SATA SSD • M.2 2280 NVMe SSD |
| Hot Swappable Drive | Yes |
| Notes | <ul style="list-style-type: none"> • The hot swappable drive feature is not supported by M.2 SSD slots. • Compatible drives are mandatory. Please consult our compatibility list before purchasing hard drives. For more details, please refer to this article. |

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

| PCIe | |
|----------------|----------------------------------|
| PCIe Expansion | 1 x Gen3 ×2 network upgrade slot |

| Appearance | |
|-------------------------------|--------------------------|
| Size (Height x Width x Depth) | 166 mm x 230 mm x 223 mm |
| Weight | 2.67 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) |
| Operating Humidity | 8% to 80% RH |
| Storage 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"> • 200 TB (32 GB memory required) • 108 TB |
| Maximum Internal Volume Number | 32 |
| SSD Read/Write Cache (Determining cache size) | Yes |
| Supported RAID Type | Synology Hybrid RAID,Basic,JBOD,RAID 0,RAID 1,RAID 5,RAID 6,RAID 10 |
| Notes | <ul style="list-style-type: none"> • Volumes over 108 TB require 32 GB of memory or more. • 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 of SMB Connections (FSCT-Based) | 40 |
| Windows Access Control List (ACL) Integration | Yes |
| NFS Kerberos Authentication | Yes |

Account & Shared Folder

| | |
|----------------------------------|-------|
| Maximum Local User Accounts | 1,024 |
| Maximum Local Groups | 256 |
| Maximum Shared Folder | 256 |
| Maximum Shared Folder Sync Tasks | 8 |

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 |

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)

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, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文 |
| Notes | For an updated list of supported browser versions, check the DSM Technical Specifications . |

Packages and Applications

Synology AI Console

Centralize AI management with flexible configurations for AI model integration, user access control, data privacy, usage policies, and resource allocation

| | |
|----------------------------------|---|
| Third-Party AI Model Integration | v |
| Maximum De-Identification Rate | 40 words per second |
| Notes | <ul style="list-style-type: none">De-identification performance measurement: Filters for Credit Card Numbers, IBAN, Individual Taxpayer Identification Number, SSN, and Names applied to a 4,355-word English text.To enable de-identification, your device must have at least 8 GB of memory and Container Manager installed. |

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 Synology Drive . 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

Synchronize data across multiple sites for fast and efficient multi-site teamwork. Powered by Synology C2 Storage, Hybrid Share requires purchase of a monthly or annual subscription

SAN Manager

| | |
|---------------------------------|-----|
| Maximum iSCSI Target Number | 64 |
| Maximum LUN | 128 |
| LUN Clone/Snapshot, Windows ODX | Yes |

Virtual Machine Manager

| | |
|--|----------------------------------|
| Recommended Virtual Machine Instances | 8 (Learn more) |
| Recommended Virtual DSM Number (Licenses required) | 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 | 256 |
| Maximum of System Snapshots | 4,096 |

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 | 100 |

Surveillance Station

| | |
|------------------|---|
| Default Licenses | 2 (Additional cameras require purchase of licenses) |
|------------------|---|

| | |
|--|---|
| Suggested Maximum IP Cameras and Total FPS (H.264) | <ul style="list-style-type: none">• 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) | <ul style="list-style-type: none">• 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

RoHS Compliant

Packaging Content

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

Optional Accessories

- DDR4 ECC SODIMM: [D4ES03-8G/D4ES03-16G](#)
- Expansion Units: [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 & SNV5400 Series](#)
- 10GbE Network Upgrade Module: [E10G22-T1-Mini](#)

Notes

For multi-module memory configurations, all modules must be identical and share the same model number. Check the [Product Manual](#) of your Synology product for recommended memory configurations.

Warranty

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

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.

SYNOLOGY INC. © 2025, Synology Inc. All rights reserved. Synology, the Synology logo are trademarks or registered trademarks of Synology Inc. Other product and company names mentioned herein may be trademarks of their respective companies. Synology may make changes to specification and product descriptions at anytime, without notice.