

## DiskStation DS1525+



**Brand:** Synology  
**Product Code:** DS1525+  
**Availability:** 12-18 Days  
**Weight:** 0.00kg  
**Dimensions:** 0.00cm x 0.00cm x 0.00cm

**Price: 0.00EGP**

### Short Description

Synology 5 Bay DiskStation DS1525+

### Description

### Fast, out-of-the-box performance with customization options

The DS1525+ features built-in 2.5GbE networking with 10GbE option and supports both SATA SSDs and HDDs in 2.5"/3.5" internal bays, as well as M.2 NVMe drives via M.2 slots for use as cache

The DS1525+ achieves up to 696 MB/s read and 862 MB/s write speeds

Up to 1,181/1,180 MB/s read/write

It supports 10GbE networking

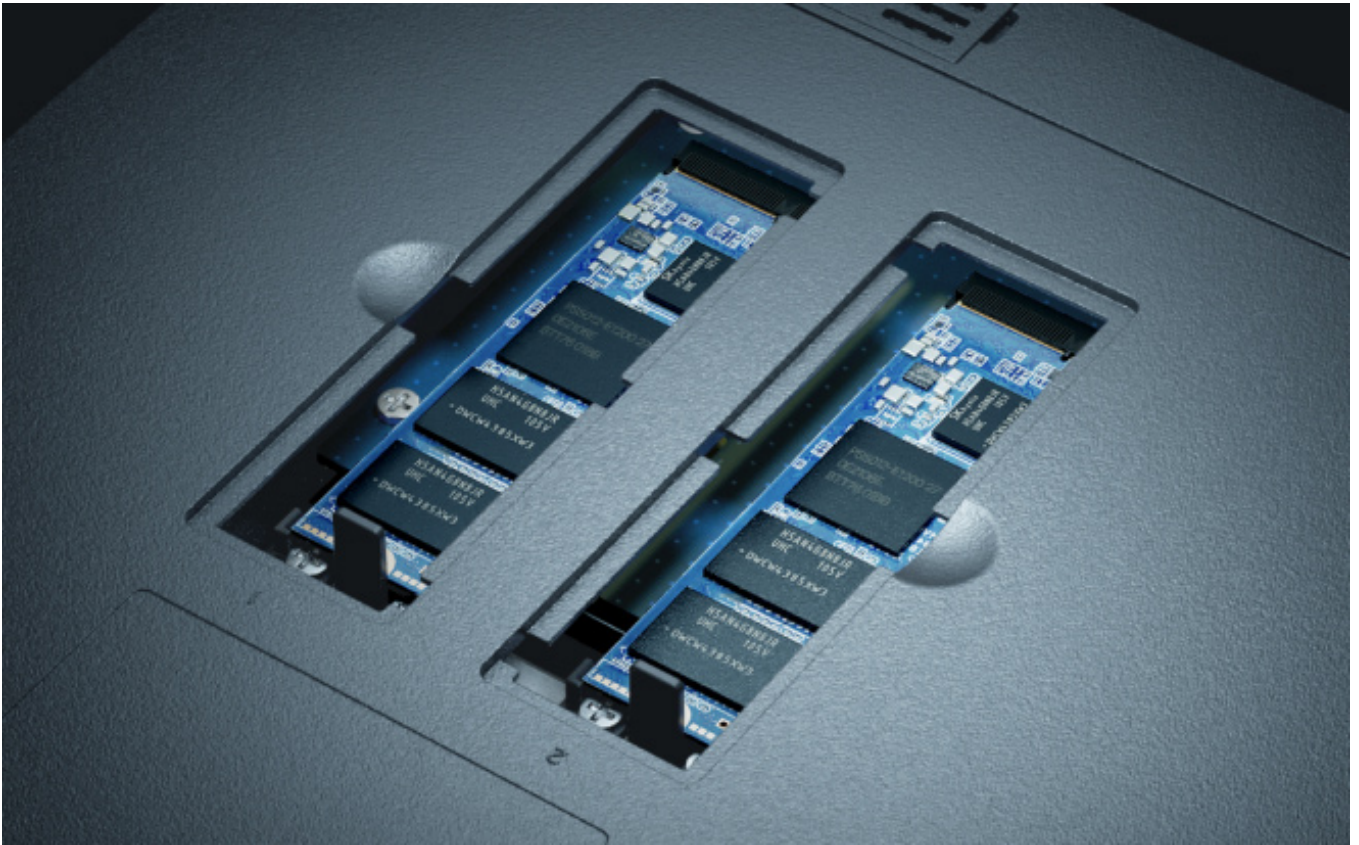
Up to 10GbE networking

It features two built-in 2.5GbE ports

Built-in dual 2.5GbE ports

And supports two M.2 NVMe slots for caching

2 x M.2 NVMe cache



## **Expand capacity for evolving needs**

Consolidate your data with up to 100 TB of raw storage across 5 bays. Need more space?  
Add capacity with two DX525 for up to 300 TB of total raw storage.

The DS1525+ supports up to 300 TB of raw capacity after expansion when using 20 TB drives

5 bays 100 TB

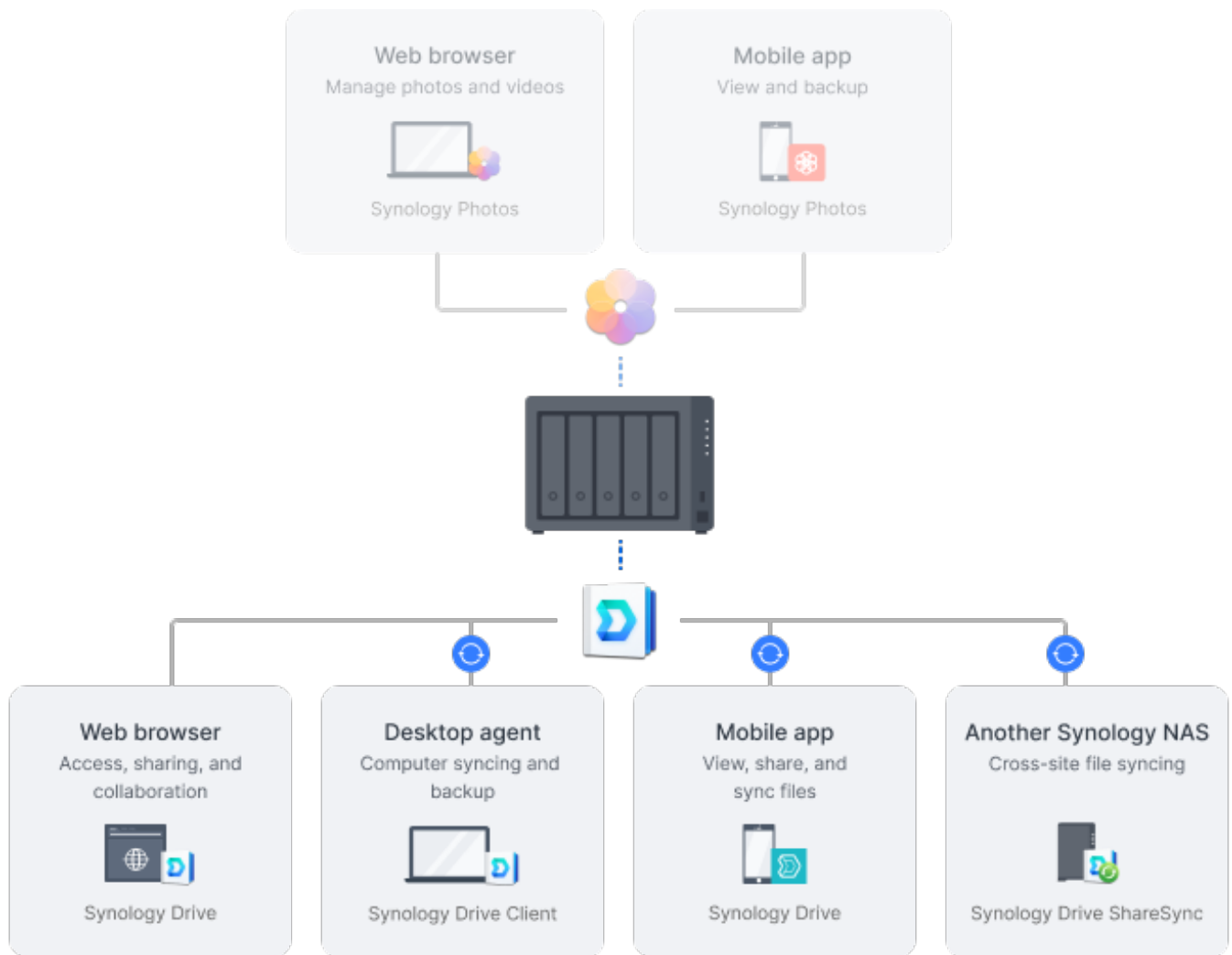
TO

15 bays300 TB



## **Store, share, and protect**

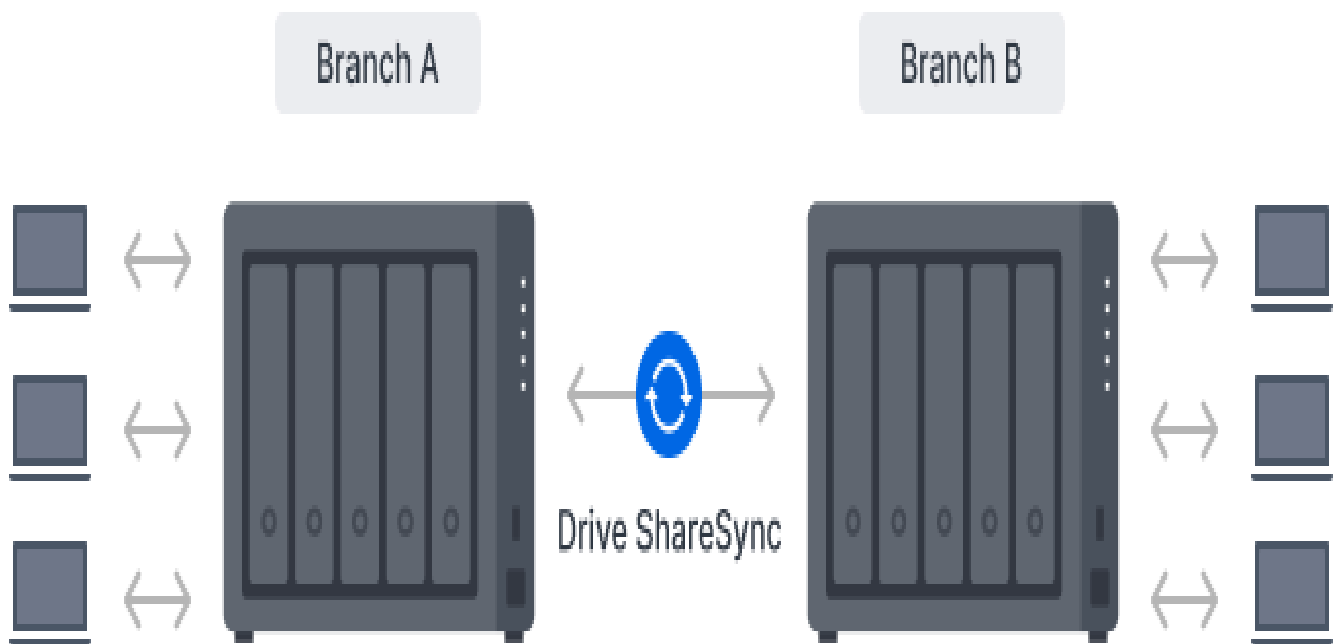
Manage all your documents, photos, and other files, back up applications and devices, or protect your assets with professional video surveillance.



## Multi-site synchronization to empower global workflows

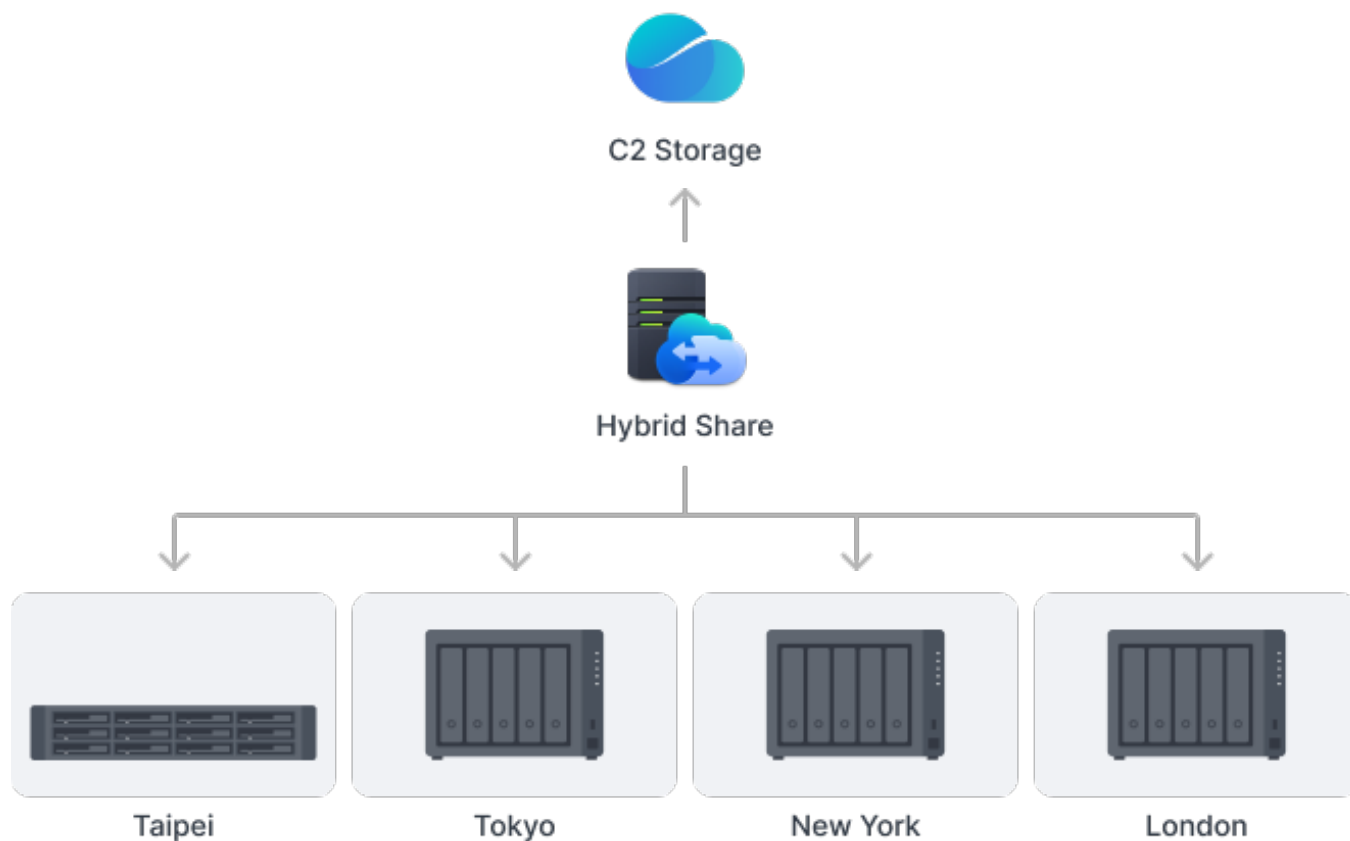
Improve workflow efficiency and team alignment across data sites with automatic one- or two-way site-to-site syncing. Files and folders are kept up-to-date across sites, so everyone stays aligned, whether at home, in the office, or across different branches — all while maintaining full control of your data.

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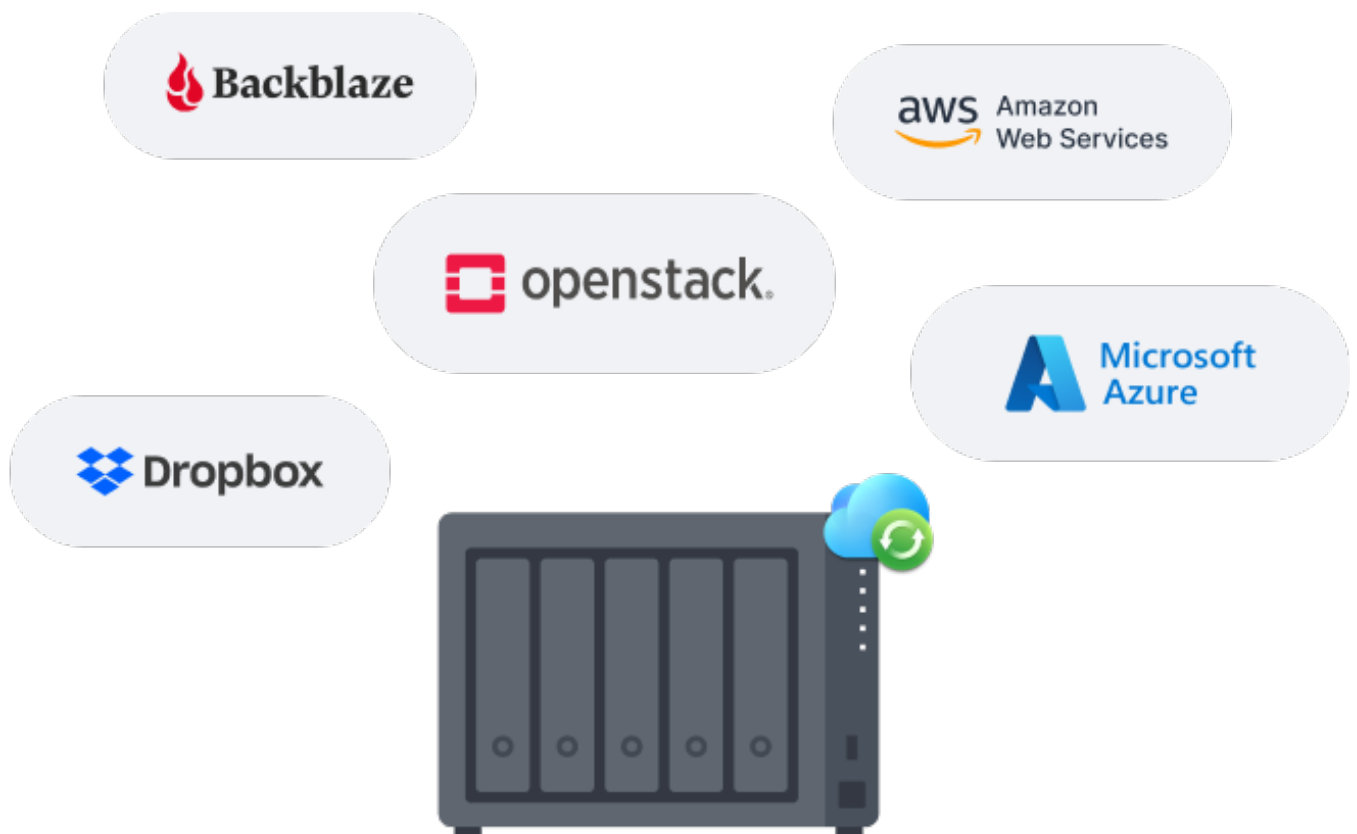
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Automatically keep data in sync between Synology NAS and major cloud providers, including BackBlaze B2, Dropbox, Google Drive, and Microsoft OneDrive. Multiple protocol support, client-side encryption, and customizable sync and bandwidth controls enable efficient storage management across various platforms.

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## Software

### [Storage Management](#)

Maximum Single  
Volume Size

- 200 TB (32 GB memory required)
- 108 TB

Maximum Internal     32

Volume Number

M.2 SSD Storage

Pool Support\*

SSD Read/Write

Cache [\(Determining cache size\)](#)

SSD TRIM

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
- RAID 6

Global Hot Spare Supported RAID Type

- Synology Hybrid RAID
- RAID 1
- RAID 5
- RAID 6
- RAID 10

Notes

- 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.

## [File System](#)

Internal Drives

External Drives

- Btrfs
- ext4
- Btrfs
- ext4
- ext3
- FAT32
- NTFS
- HFS+
- exFAT

## [File Services](#)

File Protocol

- SMB
- AFP
- NFS
- FTP
- WebDAV
- Rsync

Maximum Number of 40  
SMB Connections  
(FSCT-Based)  
Windows Access  
Control List (ACL)  
Integration  
NFS Kerberos  
Authentication  
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

|                                             |                                  |                                                                                                                                                                                       |
|---------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Account &amp; Shared Folder</a> | Maximum Local User 1,024         |                                                                                                                                                                                       |
|                                             | Accounts                         |                                                                                                                                                                                       |
|                                             | Maximum Local Groups             | 256                                                                                                                                                                                   |
|                                             | Maximum Shared Folder            | 256                                                                                                                                                                                   |
|                                             | Maximum Shared Folder Sync Tasks | 8                                                                                                                                                                                     |
| <a href="#">Hybrid Share</a>                | Maximum Hybrid Share Folders     | 10                                                                                                                                                                                    |
| <a href="#">Hyper Backup</a>                | Folder and Package Backup        |                                                                                                                                                                                       |
|                                             | Entire System Backup             |                                                                                                                                                                                       |
| <a href="#">High Availability</a>           | Synology High Availability       |                                                                                                                                                                                       |
| <a href="#">Log Center</a>                  | 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                                                                                                                                                                                |
|                                             | Supported Protocols              | SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP,                                                                         |
| <a href="#">General Specifications</a>      |                                  |                                                                                                                                                                                       |

|                    |                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | CalDAV                                                                                                                                                                                          |
| Supported Browsers | <ul style="list-style-type: none"> <li>• Chrome</li> <li>• Firefox</li> <li>• Edge</li> <li>• Safari</li> </ul>                                                                                 |
| 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 <a href="#">DSM Technical Specifications</a> .                                                                                     |

Add-on Packages [view the complete package list](#)  
[Central Management System](#)

|                                |                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synology AI Console            | Third-Party AI Model Integration                                                                                                                                                                                                                                                                                                                             |
| Maximum De-Identification Rate | 40 words per second                                                                                                                                                                                                                                                                                                                                          |
| Notes                          | <ul style="list-style-type: none"> <li>• 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.</li> <li>• To enable de-identification, your device must have at least 8 GB of memory and Container Manager installed.</li> </ul> |

|                               |                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Synology Chat</a> | Maximum Number of 150 Users                                                                                                                                                                                                                                                                                        |
| Notes                         | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Models with expandable memory are tested with the maximum supported quantity installed.</li> </ul> |

|                  |                       |
|------------------|-----------------------|
| Download Station | Maximum Concurrent 80 |
|------------------|-----------------------|

|                                                     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">SAN Manager</a>                         | Download Tasks                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                     | Maximum iSCSI Target Number                  | 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                     | Maximum LUN                                  | 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                     | LUN Clone/Snapshot, Windows ODX              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                     | Free Email Accounts                          | 5 ( <a href="#">Additional accounts require purchase of licenses</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">Synology MailPlus / MailPlus Server</a> | Maximum Number of Users                      | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                     | Notes                                        | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Models with SSD support are tested with a single SSD volume.</li> <li>• Models with expandable memory are tested with the maximum supported quantity installed.</li> <li>• Operating in high-availability mode will incur additional overhead.</li> <li>• Features enabled during evaluation: anti-spam, anti-virus, DNSBL, greylist, content scanning, and full-text search (English).</li> </ul> |
|                                                     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">Media Server</a>                        | DLNA Compliance                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">Synology Photos</a>                     | Facial Recognition                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                     | Object Recognition                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">Snapshot Replication</a>                | Maximum Snapshots per Shared Folder          | 256                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                     | Maximum Snapshots per LUN                    | 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                     | Maximum Snapshots per System                 | 4,096                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                     | Maximum Replication Tasks for Shared Folders | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                     | Maximum Replication Tasks for                | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                     |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                      |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | LUNs                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                      | Maximum Replication Tasks per System     | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">Surveillance Station</a> | Default Licenses                         | 2 <a href="#">(Additional cameras require purchase of licenses)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                      | Maximum IP Cameras and Total FPS (H.264) | <ul style="list-style-type: none"> <li>• 1080p: 40 channels, 1050 FPS</li> <li>• 3M: 40 channels, 600 FPS</li> <li>• 5M: 30 channels, 360 FPS</li> <li>• 4K: 20 channels, 200 FPS</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                      | Maximum IP Cameras and Total FPS (H.265) | <ul style="list-style-type: none"> <li>• 1080p: 40 channels, 1200 FPS</li> <li>• 3M: 40 channels, 1000 FPS</li> <li>• 5M: 40 channels, 600 FPS</li> <li>• 4K: 30 channels, 300 FPS</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                      | Notes                                    | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Use <a href="#">NVR Selector</a> to quickly find a suitable model based on your requirements.</li> <li>• The number of video channels that can be viewed simultaneously is double the maximum number of cameras for the same codec and resolution.</li> </ul> |
| <a href="#">Synology Drive</a>       | 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                      | Notes                                    | <ul style="list-style-type: none"> <li>• The suggested maximum number of users is based on the following workload: 20% of users randomly perform file operations (upload,</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

download, move, and delete), and 80% of users are logged in but idle.

- 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 80  
Users  
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.
- 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

8

Recommended  
Virtual DSM Number  
[\(Licenses required\)](#)

8 (including 1 Free License)

Notes

The specifications vary depending on system configuration and memory size.

### [VPN Server](#)

Maximum  
Connections

8

Specification

|                         |                      |
|-------------------------|----------------------|
| NAS                     |                      |
| CPU Model               | AMD Ryzen V1500B     |
| CPU Quantity            | 1                    |
| CPU Core                | 4                    |
| CPU Architecture        | 64-bit               |
| CPU Frequency           | 2.2 GHz              |
| Memory                  | 8 GB DDR4 ECC SODIMM |
| Drive Bays              | 5                    |
| Compatible Drive Type   | 3.5                  |
| Hot Swappable Drive     | yes                  |
| USB 3.2 Gen 1 Port      | 2                    |
| Total Memory Slots      | 2                    |
| Maximum Memory Capacity | 32 GB (16 GB x 2)    |
| Expansion Port          | 2                    |
| Wake on LAN (WOL)       | yes                  |
| RJ-45 2.5GbE LAN Port   | 2                    |

Product Gallery

