

DiskStation DS1825+



Brand: Synology

Product Code: DS1825+

Availability: 5

Weight: 6.00kg

Dimensions: 243.00mm x 343.00mm x
166.00mm

Call for Price:

Short Description

Synology 8 Bay DiskStation DS1825+

Description

Designed for scalability and performance



8-bay with expansion

Up to 360 TB of raw storage with expansion unit [2,3](#)



High-speed storage

Two built-in 2.5GbE ports, over 2,239/1,573 MB/s sequential read/write⁴, and 10/25 GbE option⁵



Versatile applications

Back up multiple endpoints, manage 40 IP cameras⁶, or safely sync and share files across sites



Expand capacity for evolving needs

Consolidate your data with up to 160 TB of raw storage across 8 bays. Need more space? Add capacity with two [DX525](#) for up to 360 TB of total raw storage.³

8 bays → 18 bays
160 TB → 360 TB

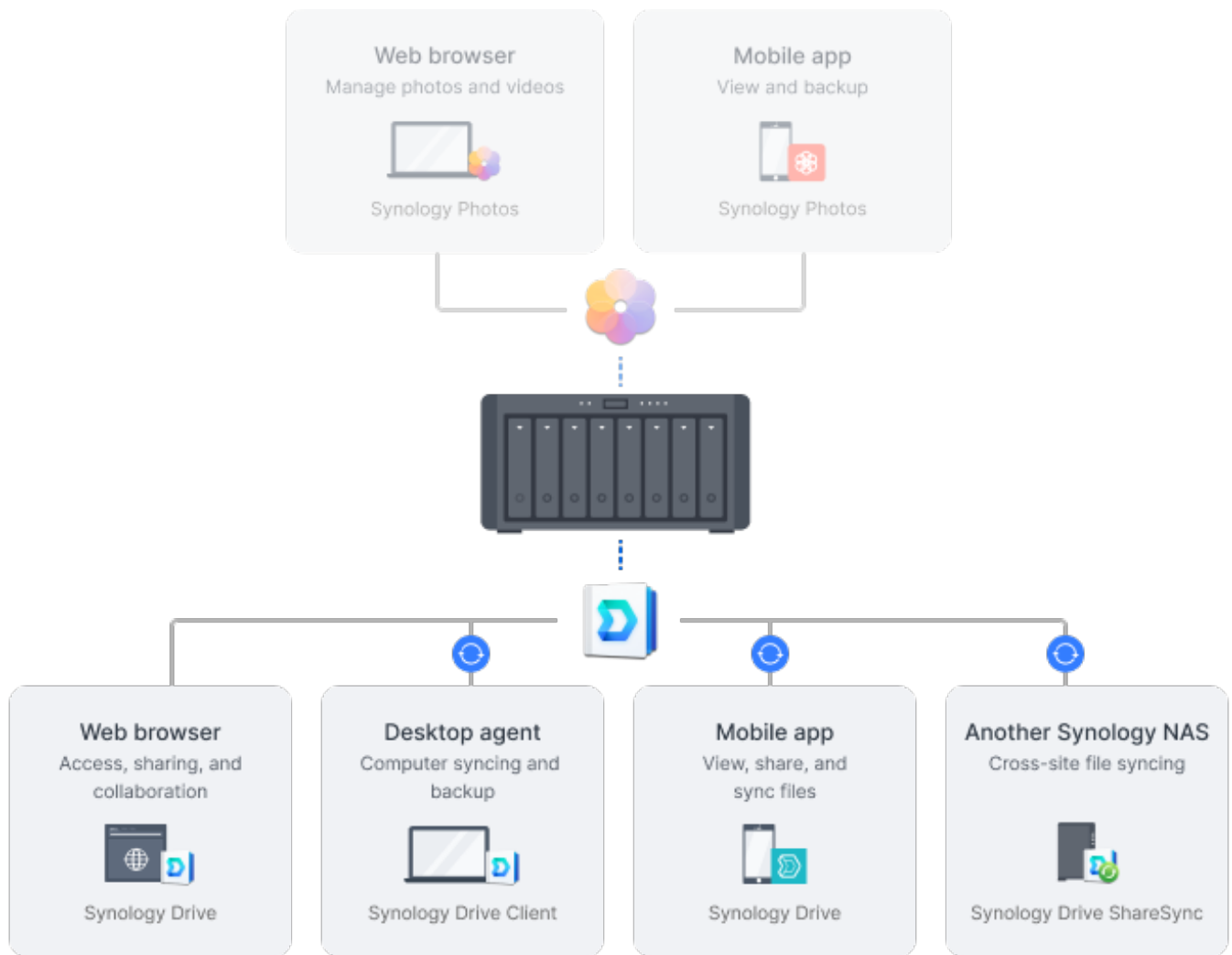
Store, share, and protect

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

Private cloud for seamless data access

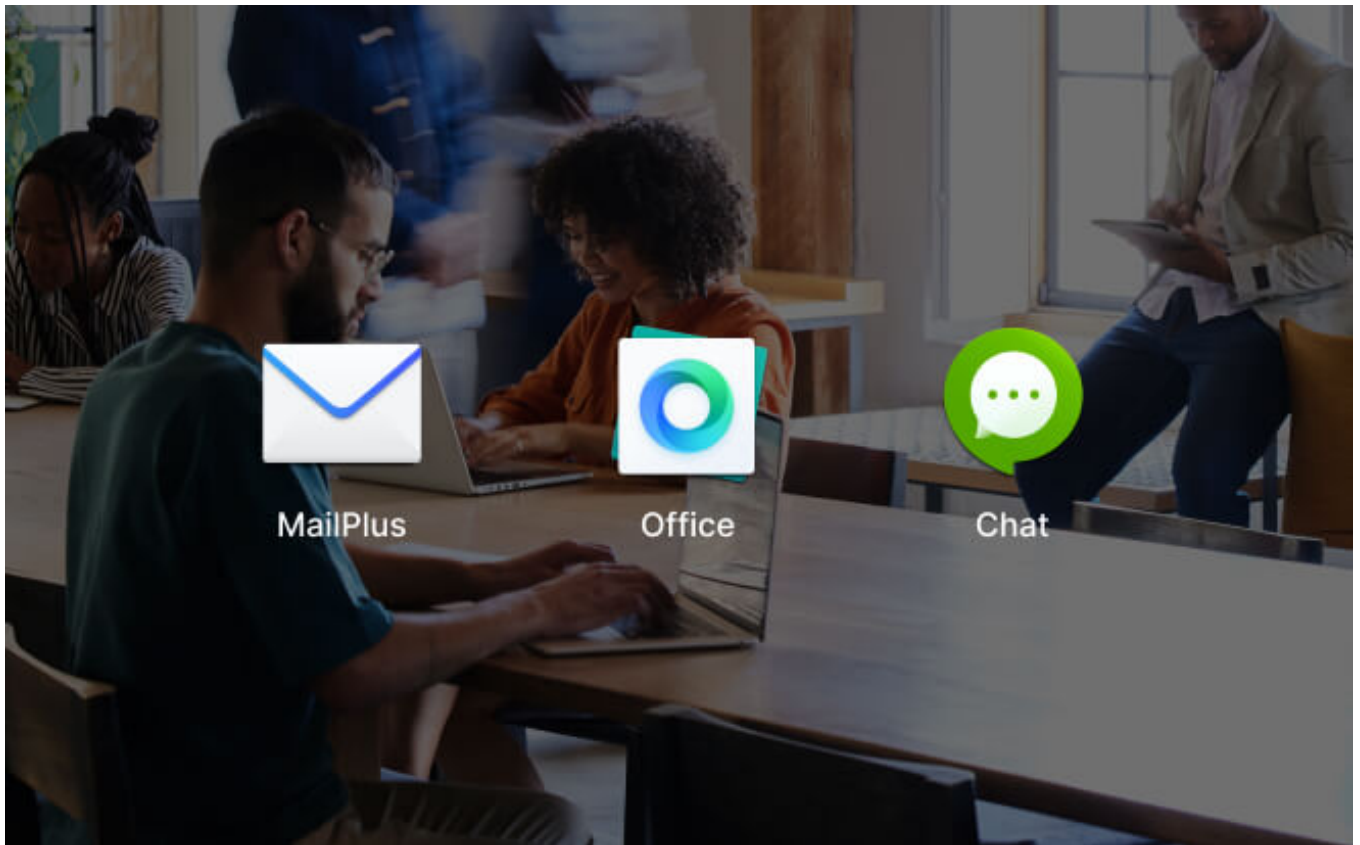
Store, sync, access, and share data from any device, wherever you are. Work seamlessly between different platforms and devices, and access your files through mobile apps, desktop clients, and a browser-based interface. Quickly and easily roll back files in case of accidental deletion, mistakes, malware, etc., with versioning.

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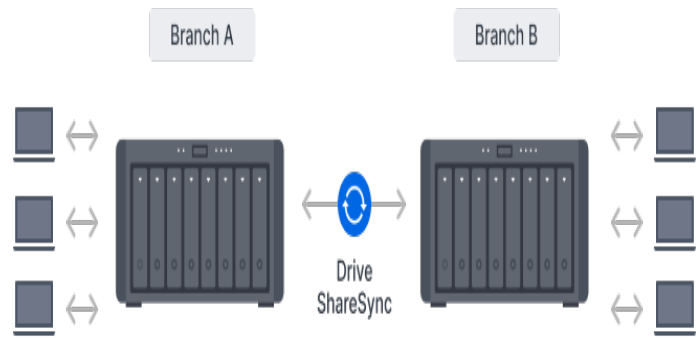
Effortlessly back up and organize photos, videos, and other visual assets using intuitive management tools. Automatically organize your content into albums and create secure share links for stakeholders and teammates.

Enhance workplace collaboration with Synology's productivity solutions. Create, edit, and share documents across teams in real time. Host an on-premises mail server to provide web-based email access while maintaining full data ownership. Additionally, stay connected through secure one-on-one chats, public channels, encrypted private channels, and group conversations.



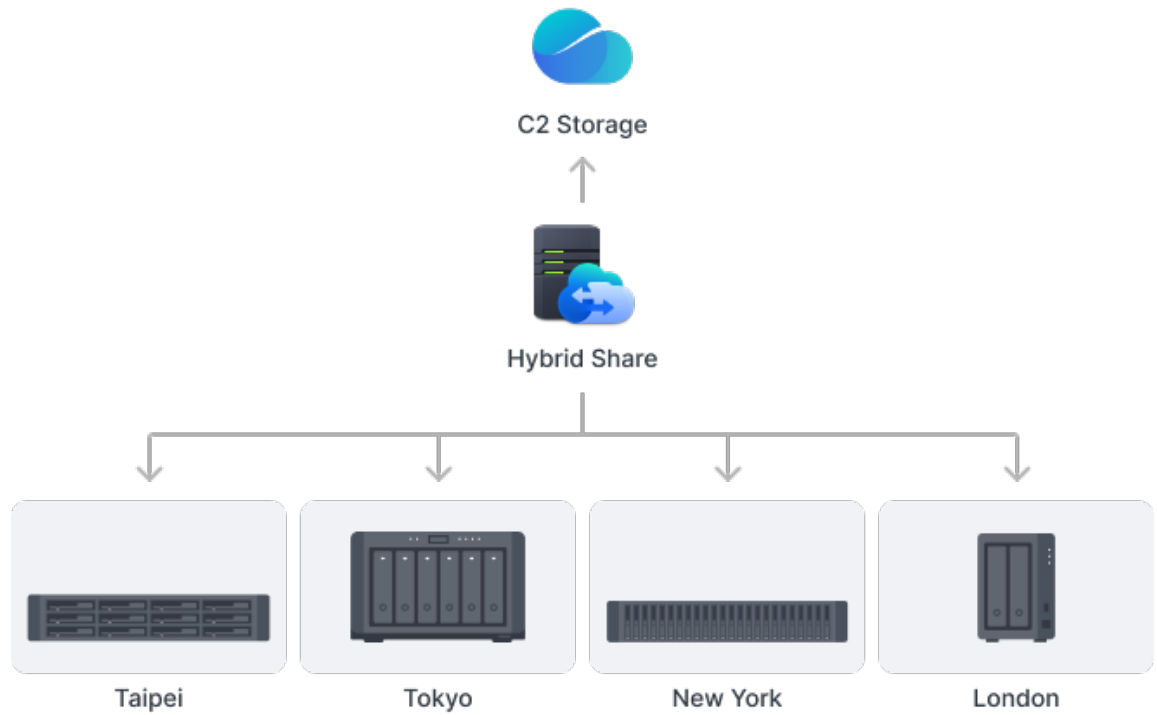
Multi-site synchronization to empower global workflows

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



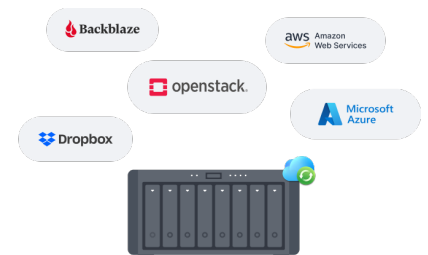
while maintaining full control of your data.

Empower global workflows with high-speed access to data from anywhere in your network. Our hybrid cloud solution caches frequently used files locally for rapid access, while less frequently accessed data is stored in the cloud, reducing your on-site storage



requirements.

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

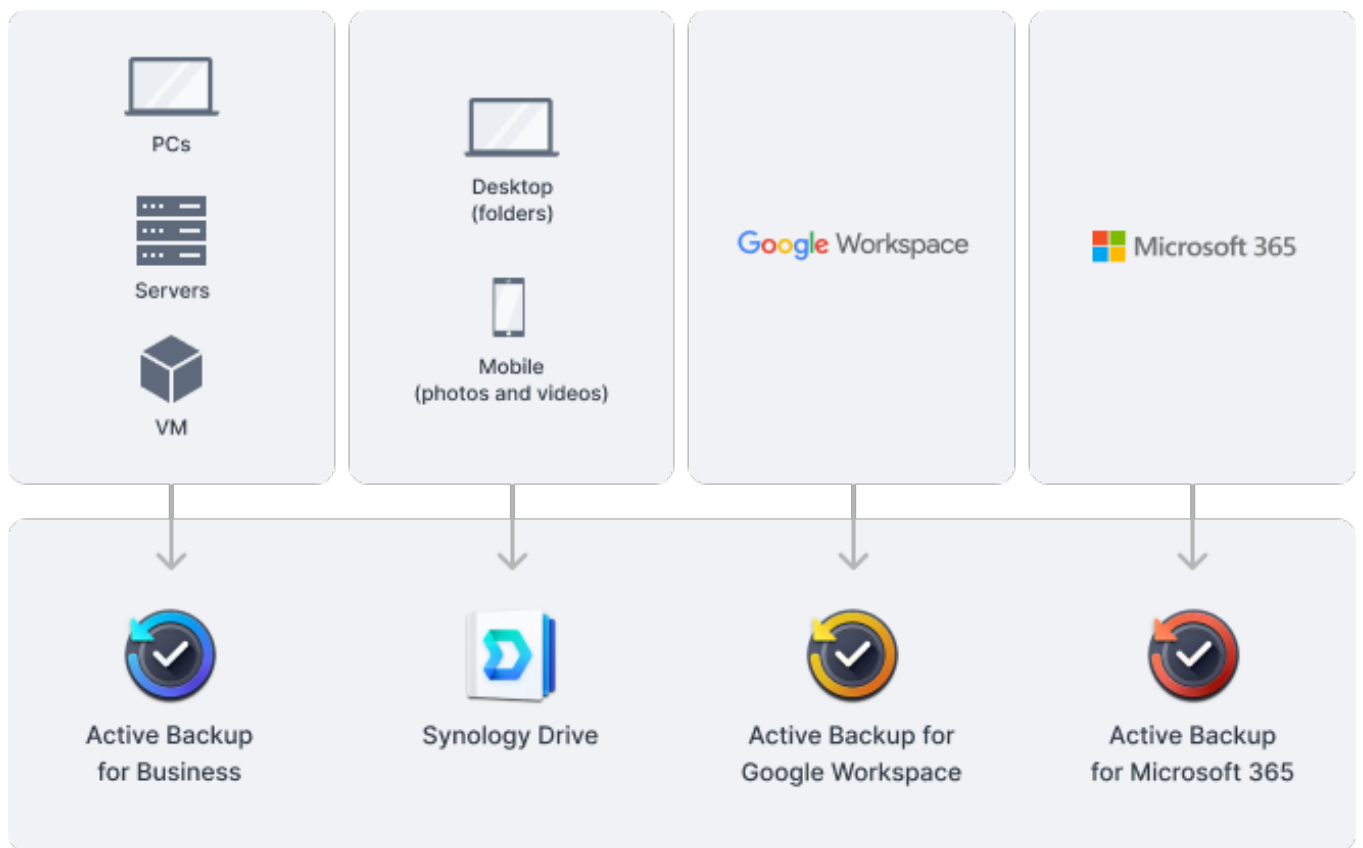


enable efficient storage management across various platforms.

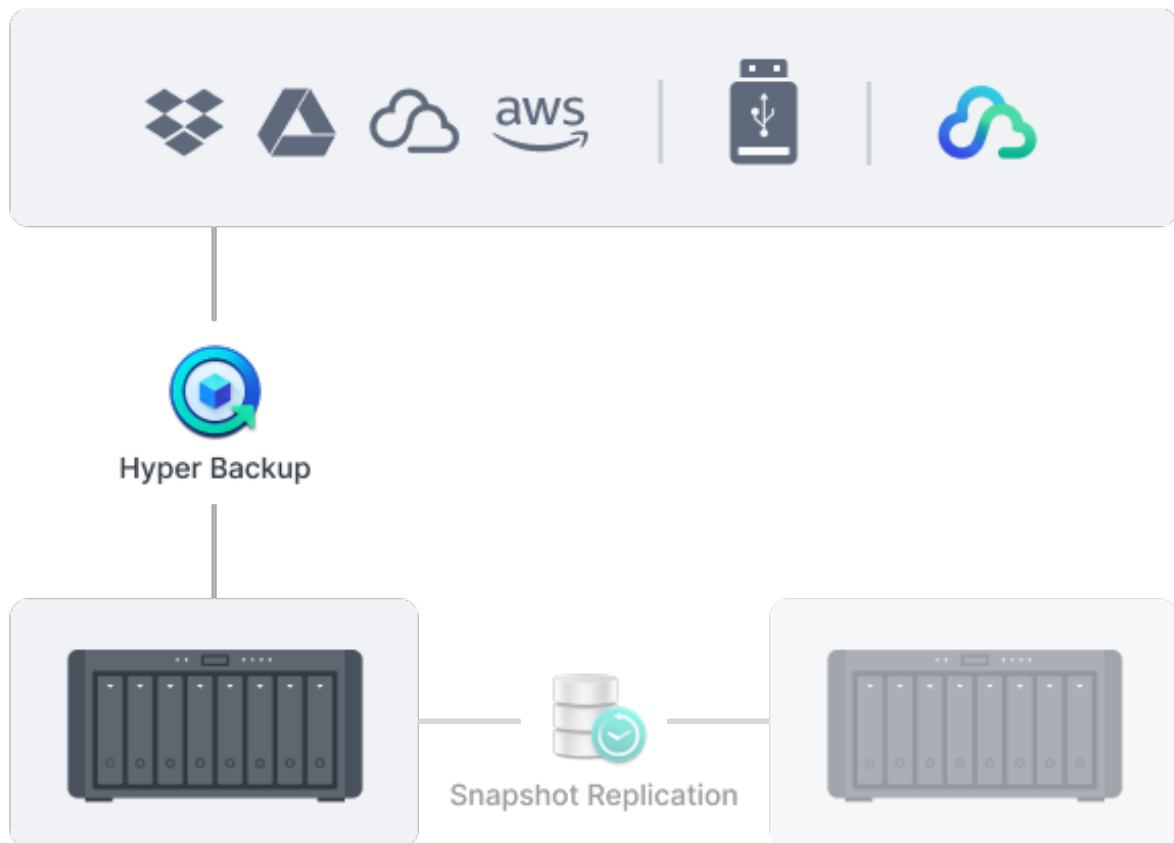
Comprehensive data backup, protection, and recovery solutions

Consolidate and automate backup tasks for PCs, file servers, VMs, SaaS applications, and more. Administer device backups remotely through a centralized portal and quickly restore specific files or entire devices to keep your business up and running. Take advantage of built-in backup solutions designed to protect your data with seamless

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Protect all data, applications, and configurations on your Synology systems with comprehensive scheduled backups, including bare-metal backups, to local and remote servers, external drives, or cloud storage destinations, including Synology C2 Storage.



Safeguard critical LUNs and shared folders with automated immutable snapshots backed by custom retention policies. Built-in support for offsite replication further ensures robust business continuity

Software

Storage Management	Maximum Single Volume Size	• 200 TB (32 GB memory required) • 108 TB
	Maximum Internal Volume Number	32
	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

- Btrfs
- ext4

External Drives

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

[File Services](#)

File Protocol

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

Maximum Number of 60

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

[Account & Shared Folder](#)

Maximum Local User 1,024

Accounts

Maximum Local 256

Groups

Maximum Shared 256

Folder

Maximum Shared 8

Folder Sync Tasks

[Hybrid Share](#)

Maximum Hybrid 10

Share Folders

[Hyper Backup](#)

Folder and Package Backup

Entire System Backup

[High Availability](#)

Synology High Availability

[Log Center](#)

Syslog Events per Second 1,000

[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

[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](#)
[Central Management System](#)

Synology AI Console Third-Party AI Model Integration

Maximum De- 60 words per second
 Identification Rate

Notes

- 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 Chat](#)

Maximum Number of 150
 Users

Notes

- 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.
- Models with expandable memory are tested with the maximum supported quantity installed.

Download Station Maximum Concurrent 80
 Download Tasks

[SAN Manager](#)

Maximum iSCSI 64
 Target Number

Maximum LUN 128
LUN Clone/Snapshot,
Windows ODX

[Synology MailPlus / MailPlus Server](#) Free Email Accounts 5 ([Additional accounts require purchase of licenses](#))

Maximum Number of 120
Users

Notes

- 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.
- Models with SSD support are tested with a single SSD volume.
- Models with expandable memory are tested with the maximum supported quantity installed. [Learn more about memory requirements](#).
- Operating in high-availability mode will incur additional overhead.
- Features enabled during evaluation: anti-spam, anti-virus, DNSBL, greylist, content scanning, and full-text search (English).

[Media Server](#)
[Synology Photos](#)

DLNA Compliance
Facial Recognition
Object Recognition

[Snapshot Replication](#) Maximum Snapshots 256
per Shared Folder

Maximum Snapshots 64
per LUN

Maximum Snapshots 4,096
per System

Maximum 32
Replication Tasks for
Shared Folders

Maximum 16
Replication Tasks for
LUNs

Maximum 32

Replication Tasks per System

Surveillance Station	Default Licenses	2 (Additional cameras require purchase of licenses)
	Maximum IP Cameras and Total FPS (H.264)	• 1080p: 40 channels, 1050 FPS • 3M: 40 channels, 600 FPS • 5M: 40 channels, 440 FPS • 4K: 32 channels, 320 FPS
	Maximum IP Cameras and Total FPS (H.265)	• 1080p: 40 channels, 1200 FPS • 3M: 40 channels, 1120 FPS • 5M: 40 channels, 600 FPS • 4K: 40 channels, 480 FPS
	Notes	• 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 number of video channels that can be viewed simultaneously is double the maximum number of cameras for the same codec and resolution.
Synology Drive	Maximum Number of 100 Users	
	Maximum Number of 1,000,000 Hosted Files	(applies to files indexed or hosted by Synology Drive . For file access through other standard protocols, refer to the File Services section above)
	Notes	• The suggested maximum number of users is based on the following workload: 20% of users randomly perform file operations (upload, 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 100
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 8
Virtual Machine
Instances
Recommended 8 (including 1 Free License)
Virtual DSM Number
[\(Licenses required\)](#)
Notes

The specifications vary depending on system configuration and memory size.

[VPN Server](#) Maximum 8
Connections

Specification

NAS	
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	8 GB DDR4 ECC SODIMM
Drive Bays	8
Compatible Drive Type	3.5
Hot Swappable Drive	
USB 3.2 Gen 1 Port	3
System Fan	120 mm x 120 mm x 2 pcs
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Expansion Port	2
Redundant Power Supply	250 watts
RJ-45 2.5GbE LAN Port	2

Product Gallery



