

# DiskStation DS225+



**Brand:** Synology

**Product Code:** DS225+

**Availability:** 10

**Weight:** 1.30kg

**Dimensions:** 165.00mm x 108.00mm x  
232.20mm

**Call for Price:**

## Short Description

Synology 2 Bay DiskStation DS225+

## Description

**Simplify your storage**



**Consolidate and safeguard**

Up to 40 TB of raw storage



## Capable storage

Built-in 2.5GbE port and over 282/217 MB/s sequential read/write



## Versatile applications

Back up multiple endpoints, manage 25 IP cameras , or safely sync and share files across sites

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

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

## **Private cloud for seamless data access**

## **Streamlined file management and collaboration**

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.

## **A private photo storage and management solution**

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. [Learn more](#)

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## **Boost team productivity with collaborative tools**

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. [Learn more](#)

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## **Multi-site synchronization to empower global workflows**

### **NAS-to-NAS synchronization**

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.

### **Cloud-powered multi-site syncing**

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.

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requirements.

### **Sync to public cloud providers**

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. [Learn more](#)

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enable efficient storage management across various platforms.

## **Comprehensive data backup, protection, and recovery solutions**

### **Back up PCs, smartphones, cloud apps, and more**

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 [3-2-1 backup](#) configurations.

## **Comprehensive and flexible Synology system backups**

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. [Learn more](#)

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## **Tamper-proof protection with immutable snapshots**

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. [Learn more](#)

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## Smart surveillance

### Synology Surveillance Station

Protecting your business has never been easier, with centralized management, support for over 8,700 IP camera models, and remote monitoring and playback. Synology's scalable video management system provides all the tools you need for live monitoring, investigation, management, and backup.

### Dual recording to the cloud

Secure your surveillance footage with robust cloud backup that supports end-to-end encryption. Our cloud-based surveillance backup solution safeguards your Surveillance Station recordings, allowing you to access, view, share, and download footage through a convenient web portal. Ensure your data remains available even if your on-premises system is compromised.[Learn more](#)

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system is compromised.

## Centralized monitoring and management

Monitor and manage your Synology fleet from a central interface, on-prem or in the cloud.



## Central Management System

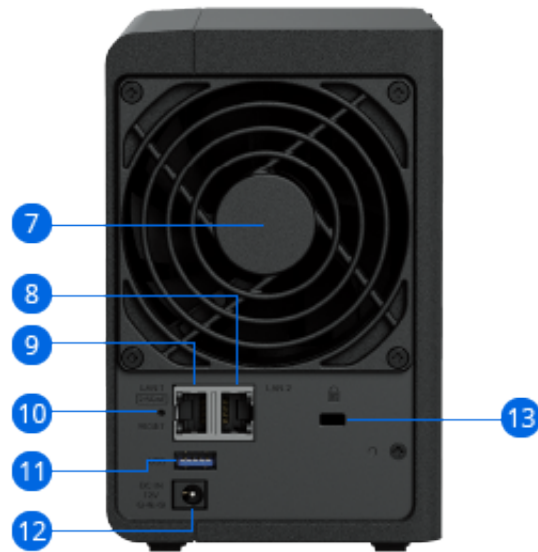
Manage Synology servers from a central console using group policies, task delegation, batch updates, and more.



## Active Insight

Monitor your global Synology fleet's performance, backup status, login activity, and more with the power of the cloud.

## Hardware Overview



? Status indicator ? Copy button ? 2.5GbE RJ-45 port

? LAN indicators ? Power button and indicator ? Reset button

? Drive status indicators ? Fan ? USB 3.2 Gen 1 port

? USB 3.2 Gen 1 port ? 1GbE RJ-45 port ? Power port

? Kensington security slot

## Software Specs

### DSM Specifications

#### [Storage Management](#)

Maximum Single Volume Size 108 TB

Maximum Internal Volume Number 32

SSD TRIM

Supported RAID Type

- Synology Hybrid RAID
- Basic
- JBOD
- RAID 0
- RAID 1

RAID Migration

Volume Expansion with Larger HDDs

- Basic to RAID 1
- Synology Hybrid RAID
- RAID 1

## Notes

- Each internal volume (may consist of multiple drives) is expandable up to 108TB.
- 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.

## [File System](#)

### Internal Drives

### External Drives

- Btrfs
- ext4
- Btrfs
- ext4
- ext3
- FAT32
- NTFS
- HFS+
- exFAT
- SMB
- AFP
- NFS
- FTP
- WebDAV
- Rsync

## [File Services](#)

### File Protocol

Maximum Number of 5  
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 Accounts	512
	Maximum Local Groups	128
	Maximum Shared Folder	128
	Maximum Shared Folder Sync Tasks	4
<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
<a href="#">General Specifications</a>	Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, 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 [DSM Technical Specifications](#).

**Add-on Packages** [view the complete package list](#)

[Central Management](#)

[System](#)

[Synology Chat](#)

Maximum Number of 100  
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 2  
Target Number  
Maximum LUN 2  
LUN Clone/Snapshot,  
Windows ODX

[Synology MailPlus /  
MailPlus Server](#)

Free Email Accounts 5 [\(Additional accounts require purchase of licenses\)](#)

Maximum Number of 20  
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.

- 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  
Notes

Object recognition requires an upgrade of memory capacity to a minimum of 4 GB.

[Snapshot Replication](#)

Maximum Snapshots per Shared Folder 128  
Maximum of System Snapshots 256

[Surveillance Station](#)

Default Licenses

2 ([Additional cameras require purchase of licenses](#))

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

- 1080p: 25 channels, 750 FPS
- 3M: 25 channels, 350 FPS
- 5M: 25 channels, 280 FPS
- 4K: 17 channels, 170 FPS

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

- 1080p: 25 channels, 750 FPS
- 3M: 25 channels, 600 FPS
- 5M: 25 channels, 480 FPS
- 4K: 20 channels, 200 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 streams that can be viewed simultaneously is **twice** the

suggested maximum number of cameras. For example, if the suggested maximum number of cameras for a model is 10 under H.264, 1080p, the model can support up to 20 streams of the same specification at the same time.

## [Synology Drive](#)

Maximum Number of 10  
Users

Maximum Number of 100,000 (applies to files indexed or hosted  
Hosted Files 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 10  
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

<a href="#">Virtual Machine Manager</a>	Recommended Virtual Machine Instances	2
	Recommended Virtual DSM Number ( <a href="#">Licenses required</a> )	2 (including 1 Free License)
	Notes	The specifications vary depending on system configuration and memory size.
<a href="#">VPN Server</a>	Maximum Connections	4

## Specification

NAS	
CPU Model	Intel Celeron J4125
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	2.0 (base) / 2.7 (turbo) GHz
Hardware Encryption Engine	?
Memory	2 GB DDR4 non-ECC
Drive Bays	2
Hot Swappable Drive	?
RJ-45 1GbE LAN Port	1
USB 3.2 Gen 1 Port	2
System Fan	92 mm x 92 mm x 1 pcs
Power Supply Unit / Adapter	60 watts
Total Memory Slots	1
Maximum Memory Capacity	6 GB (2 GB + 4 GB)

Wake on LAN (WOL)	?
LED Indicators	?
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

## Product Gallery

