# DiskStation DS225+



**Brand:** Synology

**Product Code:** DS225+

**Availability:** 9 **Weight:** 1.30kg

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

232.20mm

Price: 25,800.00EGP

**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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#### 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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Comprehensive data backup, protection, and recovery solutions		
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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
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 <a href="Synology C2 Storage">Synology C2 Storage</a> .

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 108 TB

Volume Size

Maximum Internal 32

Volume Number

SSD TRIM

Supported RAID • Synology Hybrid RAID

Type • Basic

• JBOD

• RAID 0

• RAID 1

RAID Migration • Basic to RAID 1

Volume Expansion • Synology Hybrid RAID

with Larger HDDs • 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

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

File Services

File Protocol

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

 $\circ$  FSCT clients:  $8 \times Windows$ 

10 machines

• SMB feature: Directory leasing enabled

Maximum Local User 512 Account & Shared **Folder** Accounts Maximum Local 128 Groups Maximum Shared 128 Folder Maximum Shared 4 Folder Sync Tasks Maximum Hybrid 10 **Hybrid Share Share Folders** Folder and Package **Hyper Backup** Backup **Entire System Backup** Synology High **High Availability Availability** Log Center Syslog Events per 800 Second General **Supported Protocols** 

**Specifications** 

800

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 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 / F

MailPlus Server

Free Email Accounts 5 (Additional accounts require purchase of

<u>licenses</u>)

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 fulltext 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 128 per Shared Folder

Maximum of System 256

**Snapshots** 

**Surveillance Station** 

**Default Licenses** 

2 (Additional cameras require purchase of licenses)

Suggested Maximum IP Cameras and Total

FPS (H.264)

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

**Notes** 

• 1080p: 25 channels, 750 FPS

• 3M: 25 channels, 350 FPS

• 5M: 25 channels, 280 FPS

• 4K: 17 channels, 170 FPS

• 1080p: 25 channels, 750 FPS

• 3M: 25 channels, 600 FPS

• 5M: 25 channels, 480 FPS

• 4K: 20 channels, 200 FPS

- 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

<u>Virtual Machine</u> Recommended 2

Manager Virtual Machine

Instances

Recommended 2 (including 1 Free License)

Virtual DSM

Number (Licenses

required)

Notes The specifications vary depending on

system configuration and memory size.

<u>VPN Server</u> Maximum 4

Connections

**Specification** 

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 /	60 watts
Adapter	
Total Memory Slots	1
Maximum Memory	6 GB (2 GB + 4 GB)
Capacity	

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**









