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## Synology DS425+

# Synology DS425+ 4-Bay DiskStation NAS User Manual

Model: DS425+

## INTRODUCTION

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The Synology DS425+ is a 4-bay Network Attached Storage (NAS) device designed for efficient data management, synchronization, backup, and surveillance. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your DS425+ to ensure optimal performance and data integrity.

Your browser does not support the video tag.

**Video Description:** An official introduction to the Synology DS425+ 4-bay NAS, highlighting its key features and capabilities for data storage and management.

## SETUP

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Follow these steps for initial setup of your Synology DS425+.

### 1. Drive Installation

The DS425+ features four front-loading, hot-swappable drive bays for easy installation and replacement of 3.5-inch or 2.5-inch drives. Ensure drives are compatible with the model's official compatibility list for optimal performance and support.

Plus  
series  
25

## The balanced choice

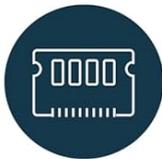
Accelerate file-based workflows with M.2 NVMe or supercharge performance with an all-flash array

DiskStation  
DS425+

4-bay



## Strong and steady performer



Up to  
6 GB RAM



2.5GbE port  
for fast transfer



Dual M.2  
SSD slots



Up to 40 IP  
cameras

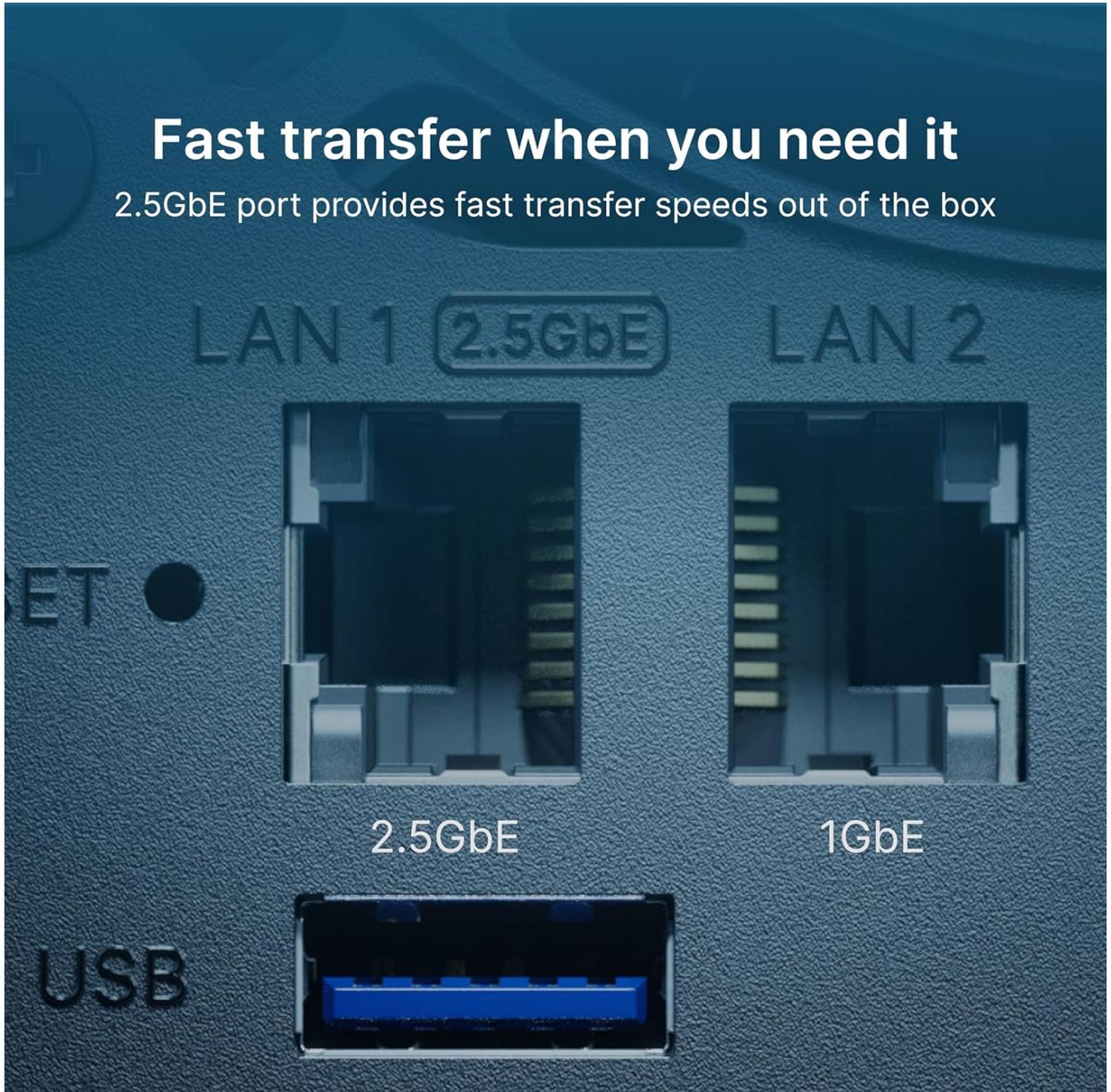
**Image Description:** Front view of the Synology DS425+ showing its four accessible drive bays and status indicators.



**Image Description:** A close-up of a desktop NAS unit with Synology-branded drives being inserted into the bays, illustrating the drive installation process.

## 2. Network Connection

Connect your DS425+ to your network using the available Ethernet ports. The device includes one 2.5GbE port for fast data transfers and one 1GbE port.



**Image Description:** Rear view of the Synology DS425+ showing the two Ethernet ports (LAN1 2.5GbE, LAN2 1GbE), USB ports, and power input.

# Powerful sync capabilities

Use Synology solutions to sync files wherever you need

- ✓ Private cloud NAS-to-NAS sync
- ✓ Hybrid cloud sync across locations
- ✓ Sync with public cloud providers



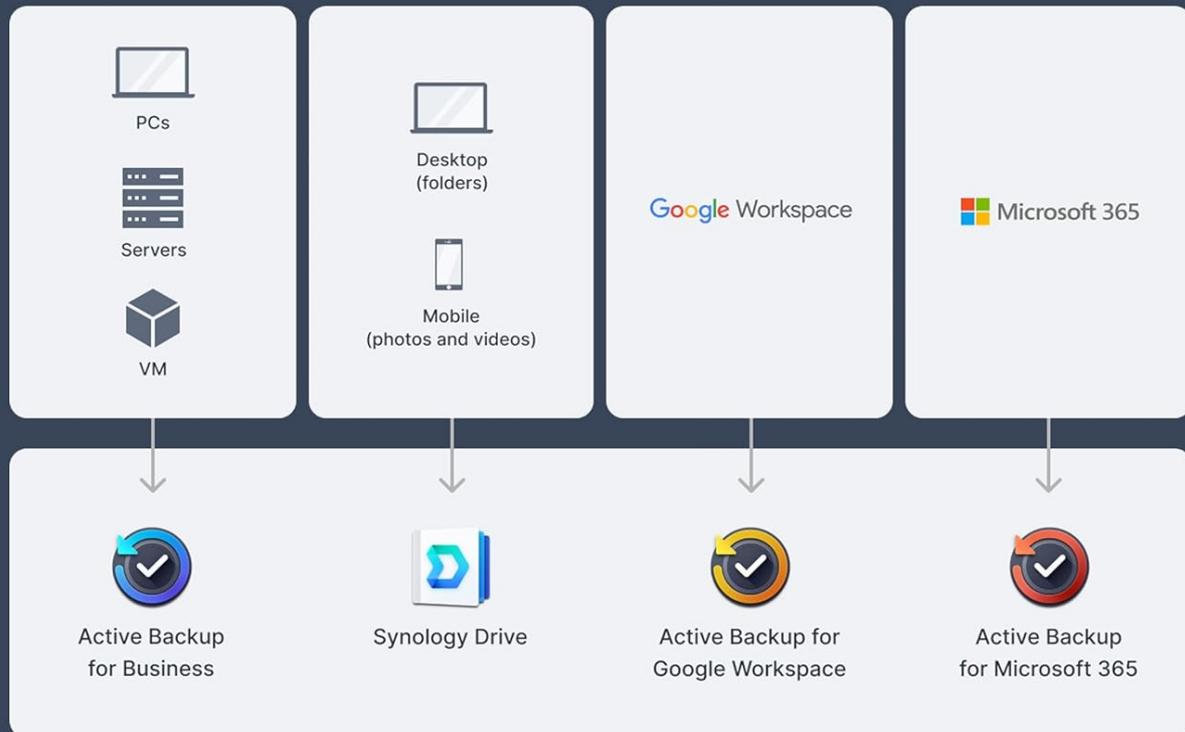
**Image Description:** A detailed view of the rear panel of the Synology DS425+, highlighting the 2.5GbE and 1GbE network ports and a USB port.

### 3. Memory and SSD Cache

The DS425+ supports up to 6 GB of RAM and includes two M.2 SSD slots for creating an SSD cache or all-flash storage pools. SSD caching can significantly accelerate random read/write IOPS and reduce latency for frequently accessed files.

# Recoverability you can rely on

Back up everything, from mobile devices to desktop computers, and protect your backups from ransomware and malware with immutable snapshots



**Image Description:** A close-up of an M.2 SSD labeled 'Synology Enterprise Series SSD' installed on a circuit board, indicating the SSD cache capability of the NAS.

## OPERATING

The Synology DS425+ operates on Synology DiskStation Manager (DSM), a web-based operating system that provides a user-friendly interface for managing your NAS.

### 1. Data Management and Synchronization

DSM offers robust solutions for file and photo management, allowing you to store, organize, and access your data from anywhere. Features include:

- Private cloud NAS-to-NAS synchronization.
- Hybrid cloud synchronization across various locations.
- Synchronization with public cloud providers.



**Image Description:** Two Synology NAS devices are shown side-by-side, illustrating their powerful synchronization capabilities for data across different locations.

## 2. Data Protection and Backup

Protect your data with comprehensive backup solutions. The DS425+ supports backing up data from mobile devices, desktop computers, and offers protection against ransomware and malware through immutable snapshots.

- Active Backup for Business
- Synology Drive
- Active Backup for Google Workspace
- Active Backup for Microsoft 365



**Image Description:** A diagram illustrating the comprehensive backup capabilities of Synology NAS, showing various data sources (PCs, servers, mobile, cloud services) being backed up to different Synology solutions.

### 3. Surveillance Station

Utilize the Synology Surveillance Station for robust video surveillance. The DS425+ supports up to 40 IP cameras with a total recording capacity of 1200 frames per second (FPS) using H.265 encoding.

### 4. Virtualization Solution

The DS425+ serves as an all-in-one hub for storing and hosting Virtual Machines (VMs) and containers, with seamless integration with major platforms like VMware, Hyper-V, and Docker.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Synology DS425+.

### 1. Firmware Updates

Ensure automatic firmware updates are enabled in DSM to keep your system secure and benefit from the latest features and performance enhancements.

### 2. Drive Compatibility

For the DS425+, it is recommended to use Synology-branded drives to ensure long-term stability, data integrity, and seamless compatibility. Using validated drives can lead to fewer support issues.

Your browser does not support the video tag.

**Video Description:** This video explains the benefits of using Synology-branded HDDs and SSDs, emphasizing their purpose-built design for Synology systems, rigorous testing, and optimized performance for NAS workloads.

### 3. RAID Repair

Fine-tuned firmware enables more efficient RAID recovery processes, contributing to faster data restoration in case of drive failure.

### 4. Energy Efficiency and Noise

The DS425+ is designed to be energy-efficient and operates quietly, with quiet modes available to minimize noise output.

## TROUBLESHOOTING

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If you encounter issues with your Synology DS425+, refer to the Synology Knowledge Base or contact Synology Support. Using validated Synology drives can reduce the number of potential issues and expedite support resolution.

## SPECIFICATIONS

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Feature	Detail
Brand	Synology
Model Number	DS425+
Drive Bays	4
Networking	1 x 2.5GbE, 1 x 1GbE
Memory	Up to 6 GB (upgradeable)
SSD Cache Slots	2 x M.2 NVMe
Max. Storage Capacity	80 TB (with 20TB drives)
Dimensions (LxWxH)	8.78 x 7.83 x 6.54 inches (223 x 199 x 166 mm)
Item Weight	4.81 pounds
Material	Metal, Plastic

## WARRANTY AND SUPPORT

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The Synology DS425+ comes with a 3-year limited hardware warranty. An additional 2 years of warranty can be obtained with the Extended Warranty Plus program, extending coverage up to 5 years. For technical assistance, visit the official Synology support website or contact their customer service.

For more information and resources, please visit the [Synology Store](#).



