

Product Specifications

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# DS425+

# Hardware Specs

## CPU

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	v

## Memory

System Memory	2 GB DDR4 non-ECC
Total Memory Slots	1
Maximum Memory Capacity	6 GB (2 GB + 4 GB)

## Storage

Drive Bays	4
M.2 Drive Slots	2 (NVMe)
Hot Swappable Drive*	v

## External Ports

RJ-45 1GbE LAN Port	2
USB 3.2 Gen 1 Port	2

## Appearance

Size (Height x Width x Depth)	166 mm x 199 mm x 223 mm
Weight	2.18 kg

## Others

System Fan	92 mm x 92 mm x 2 pcs
Brightness Adjustable Front LED Indicators	v
Power Recovery	v
Noise Level*	19.8 dB(A)
Scheduled Power On / Off	v
Wake on LAN / WAN	v
Power Supply Unit / Adapter	90 watts
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption*	28.3 watts (Access) 8.45 watts (HDD Hibernation)
British Thermal Unit	96.5 BTU/hr (Access) 28.81 BTU/hr (HDD Hibernation)

## Temperature

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Operating Humidity	8% to 80% RH
Storage Humidity	5% to 95% RH

## Warranty

3-year hardware warranty, extendable to 5 years with [EW201](#) or [Extended Warranty Plus](#)

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## Environment

RoHS Compliant

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# Software Specs

## DSM Specifications

Storage Management	
Maximum Internal Volume Number	64
M.2 SSD Storage Pool Support*	v
SSD Read/Write Cache (Determining cache size)	v
SSD TRIM	v
Supported RAID Type	<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li><li>• Basic</li><li>• JBOD</li><li>• RAID 0</li><li>• RAID 1</li><li>• RAID 5</li><li>• RAID 10</li></ul>
RAID Migration	<ul style="list-style-type: none"><li>• Basic to RAID 1</li><li>• Basic to RAID 5</li><li>• RAID 1 to RAID 5</li><li>• RAID 5 to RAID 6</li></ul>
Volume Expansion with Larger HDDs	<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li><li>• RAID 1</li><li>• RAID 5</li><li>• RAID 6</li><li>• RAID 10</li></ul>
Volume Expansion by Adding a HDD	<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li><li>• JBOD</li><li>• RAID 5</li></ul>
Global Hot Spare Supported RAID Type	<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li><li>• RAID 1</li><li>• RAID 5</li></ul>

## File System

Internal Drives	<ul style="list-style-type: none"><li>• Btrfs</li><li>• ext4</li></ul>
External Drives	<ul style="list-style-type: none"><li>• Btrfs</li><li>• ext4</li><li>• ext3</li><li>• FAT32</li><li>• NTFS</li><li>• HFS+</li><li>• exFAT</li></ul>

## File Services

File Protocol	<ul style="list-style-type: none"><li>• SMB</li><li>• AFP</li><li>• NFS</li><li>• FTP</li><li>• WebDAV</li><li>• Rsync</li></ul>
Maximum Concurrent SMB/AFP/FTP Connections	500
Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)	1,500
Windows Access Control List (ACL) Integration	v
NFS Kerberos Authentication	v

## Account & Shared Folder

Maximum Local User Accounts	2,048
Maximum Local Groups	256
Maximum Shared Folder	512
Maximum Shared Folder Sync Tasks	8

## Hybrid Share

Maximum Hybrid Share Folders	10
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## Hyper Backup

Folder and Package Backup	v
Entire System Backup	v

## High Availability

Synology High Availability	v
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## Log Center

Syslog Events per Second	800
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## Virtualization

VMware vSphere	VMware ESXi 8.0 Update 2, VMware ESXi 8.0 Update 1, VMware ESXi 8.0, VMware ESXi 7.0 Update 3, VMware ESXi 7.0 Update 2, VMware ESXi 7.0 Update 1, VMware ESXi 7.0, VMware ESXi 6.7 Update 3, VMware ESXi 6.7 Update 2, VMware ESXi 6.7 Update 1, VMware ESXi 6.7, VMware ESXi 6.5 Update 3, VMware ESXi 6.5 Update 2, VMware ESXi 6.5 Update 1, VMware ESXi 6.5
Microsoft Hyper-V	Windows Server 2022
VMware ESXi 6.5 and VAAI	v
Windows Server 2022	v
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	<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, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文

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

### Central Management System

v

## Synology AI Console

Third-Party AI Model  
Integration

v

## Synology Chat

Maximum Number of Users

100

## Download Station

Maximum Concurrent  
Download Tasks

80

## SAN Manager

Maximum iSCSI Target  
Number

128

Maximum LUN

256

LUN Clone/Snapshot,  
Windows ODX

v

## Synology MailPlus / MailPlus Server

Free Email Accounts

5 ([Additional accounts require purchase of licenses](#))

Maximum Number of Users

500

## Media Server

DLNA Compliance

v

## Synology Photos

Facial Recognition	v
Object Recognition	v

## Snapshot Replication

Maximum Snapshots per Shared Folder	1,024
Maximum of System Snapshots	65,536

## Surveillance Station

Default Licenses	2 (Additional cameras require purchase of licenses)
Suggested Maximum IP Cameras and Total FPS (H.264)	<ul style="list-style-type: none"><li>• 720p: channels, FPS</li><li>• 1080p: 40 channels, 800 FPS</li><li>• 3M: 35 channels, 350 FPS</li><li>• 5M: 28 channels, 280 FPS</li><li>• 4K: 17 channels, 170 FPS</li></ul>
Suggested Maximum IP Cameras and Total FPS (H.265)	<ul style="list-style-type: none"><li>• 720p: 40 channels, 1200 FPS</li><li>• 1080p: 40 channels, 1200 FPS</li><li>• 3M: 40 channels, 600 FPS</li><li>• 5M: 40 channels, 480 FPS</li><li>• 4K: 20 channels, 200 FPS</li></ul>

## Synology Drive

Maximum Number of Users	350 (the number of connections that can be maintained when the recommended number of hosted files was reached)
Maximum Number of Hosted Files	5,000,000 (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)

## Synology Office

Maximum Number of Users	3,000
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## Virtual Machine Manager

Recommended Virtual Machine Instances	2 ( <a href="#">Learn more</a> )
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Recommended Virtual DSM Number ( <a href="#">Licenses required</a> )	2 (including 1 Free License)
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## VPN Server

Maximum Connections	40
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