

Product Specifications

DS723+



Hardware Specs

CPU	
CPU Model	AMD Ryzen R1600
CPU Quantity	1
CPU Architecture	64-bit
CPU Frequency	2-core 2.6 (base) / 3.1 (turbo) GHz
Hardware Encryption Engine (AES-NI)	v
Memory	
System Memory	2 GB DDR4 ECC
Memory Module Pre-installed	2 GB (2 GB x 1)
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Notes	<ul style="list-style-type: none">• Synology reserves the right to replace memory modules with the same or higher frequency based on supplier's product life cycle status. Rest assured that the compatibility and stability have been strictly verified with the same benchmark to ensure identical performance.• Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion.• For more information about the recommended memory configurations, please check the Hardware Installation Guide of your Synology product.
Storage	
Drive Bays	2

Maximum Drive Bays with Expansion Unit	7 (DX517 x 1)
M.2 Drive Slots	2 (NVMe)
Compatible Drive Type* (See all supported drives)	<ul style="list-style-type: none"> • 3.5" SATA HDD • 2.5" SATA SSD • M.2 2280 NVMe SSD
Hot Swappable Drive*	v
Notes	<ul style="list-style-type: none"> • The hot swappable drive feature is not supported by M.2 SSD slots. • "Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay.

External Ports

RJ-45 1GbE LAN Port*	2 (with Link Aggregation / Failover support)
USB 3.2 Gen 1 Port*	1
eSATA Port	1
Notes	<ul style="list-style-type: none"> • This device's 1GbE LAN ports have a maximum transmission unit (MTU) size of 1,500 bytes. • The USB 3.0 standard was renamed to USB 3.2 Gen 1 by the USB Implementers Forum (USB-IF) in 2019.

PCIe

PCIe Expansion	1 x Gen3 x2 network upgrade slot
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File System

Internal Drives	<ul style="list-style-type: none"> • Btrfs • EXT4
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External Drives

- Btrfs
- EXT4
- EXT3
- FAT
- NTFS
- HFS+
- exFAT

Appearance

Size (Height x Width x Depth)	166 mm x 106 mm x 223 mm
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Weight	1.51 kg
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Others

System Fan	92 mm x 92 mm x 1 pcs
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Fan Speed Mode	<ul style="list-style-type: none">• Full-Speed Mode• Cool Mode• Quiet Mode
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Brightness Adjustable Front LED Indicators	v
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Power Recovery	v
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Noise Level*	20.7 dB(A)
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Scheduled Power On / Off	v
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Wake on LAN / WAN	v
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Power Supply Unit / Adapter	65 W
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Redundant Power Supply	-
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AC Input Power Voltage	100V to 240V AC
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Power Frequency	50/60 Hz, Single Phase
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Power Consumption	21.07 W (Access) 8.62 W (HDD Hibernation)
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British Thermal Unit	71.85 BTU/hr (Access) 29.39 BTU/hr (HDD Hibernation)
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Notes

- For more information on how power consumption is measured, refer to [this article](#).
- Noise testing was conducted with the Synology system fully installed with Synology SATA HDDs and in an idle state. Two G.R.A.S. Type 40AE microphones are placed at a 1 m distance from the front and rear of the device. Background noise: 16.49-17.51 dB(A); Temperature: 24.25-25.75°C; Humidity: 58.2-61.8%

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)

Relative Humidity

5% to 95% RH

Certification

- FCC
- CE
- BSMI
- VCCI
- RCM
- UKCA
- EAC
- CCC
- KC

Warranty

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

Notes

- Availability varies by region. Before purchasing, please visit the official web pages of [EW201/202](#) and [Extended Warranty Plus](#) for a list of eligible regions.
- The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))

Environment

RoHS Compliant

Packaging Content

- Main Unit X 1
- Accessory Pack X 1
- AC Power Adapter X 1
- AC Power Cord X 1
- RJ-45 LAN Cable X 2
- Quick Installation Guide X 1

Optional Accessories

- DDR4 ECC SODIMM: [D4ES02-4G/D4ES02-8G/D4ES01-16G](#)
- Expansion Units: [DX517](#)
- 3.5" SATA HDD: [HAT5300](#)
- 2.5" SATA SSD: [SAT5210](#)
- M.2 2280 NVMe SSD: [SNV3410](#)
- 10GbE Network Upgrade Module: [E10G22-T1-Mini](#)
- VisualStation: [VS360HD](#)
- Surveillance Device License Pack

Software Specs

DSM Specifications

Storage Management

Maximum Single Volume Size*	108 TB
Maximum Internal Volume Number	64
M.2 SSD Storage Pool Support*	v
SSD Read / Write Cache (White Paper)	v
SSD TRIM	v

Supported RAID Type	<ul style="list-style-type: none"> • Synology Hybrid RAID • Basic • JBOD • RAID 0 • RAID 1 • RAID 5 (with Expansion Unit) • RAID 6 (with Expansion Unit) • RAID 10 (with Expansion Unit)
RAID Migration	<ul style="list-style-type: none"> • Basic to RAID 1 • Basic to RAID 5 (with Expansion Unit) • RAID 1 to RAID 5 (with Expansion Unit) • RAID 5 to RAID 6 (with Expansion Unit)
Volume Expansion with Larger HDDs	<ul style="list-style-type: none"> • Synology Hybrid RAID • RAID 1 • RAID 5 (with Expansion Unit) • RAID 6 (with Expansion Unit) • RAID 10 (with Expansion Unit)
Volume Expansion by Adding a HDD	<ul style="list-style-type: none"> • Synology Hybrid RAID • JBOD (with Expansion Unit) • RAID 5 (with Expansion Unit) • RAID 6 (with Expansion Unit)
Global Hot Spare Supported RAID Type	<ul style="list-style-type: none"> • Synology Hybrid RAID • RAID 1 (with Expansion Unit) • RAID 5 (with Expansion Unit) • RAID 6 (with Expansion Unit) • RAID 10 (with Expansion Unit)
Notes	<ul style="list-style-type: none"> • 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. (Learn more) • Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration. • Each internal volume (may consist of multiple drives) is expandable up to 108TB.

File Services

File Protocol	SMB/AFP/NFS/FTP/WebDAV
Maximum Concurrent SMB/AFP/FTP Connections	500
Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)	2,000
Windows Access Control List (ACL) Integration	v
NFS Kerberos Authentication	v
Notes	<ul style="list-style-type: none">• Regarding data concerning tests with RAM expansion, all memory slots are installed with the maximum capacity of supported RAM.• The testing standard was based on the maximum number of concurrent connections supported by this model. During the testing, 25% of the connections were used to transfer files concurrently. The transfer process guaranteed that the connections were not interrupted; the minimum transfer speed was not guaranteed.

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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High Availability

Synology High Availability	v
Log Center	
Syslog Events per Second	800
Virtualization	
VMware vSphere with VAAI	v
Windows Server 2019	v
Citrix Ready	v
OpenStack	v
General Specifications	
Networking 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"> • Google Chrome • Firefox • Microsoft Edge • Safari
Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ไทย, 日本語, 한국어, 繁體中文, 简体中文
Notes	For an updated list of supported browser versions, check the DSM Technical Specifications .

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

Antivirus by McAfee (Trial)
v
Central Management System
v

Synology Chat

Maximum Number of Concurrent Users

100

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.
- When applicable, systems are tested configured with maximum memory and set to allow the maximum number of connections.

Document Viewer

v

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 ([Licenses required for additional accounts](#))

Maximum Number of Concurrent Users

100

Maximum Server Performance

1,224,000 emails per day, approx. 37GB

Notes

- Models with 2 bays and dual M.2 drive slots were installed with two SSDs for SSD cache.
- For tested models with expandable memory, the maximum amount of RAM was installed.
- The performance of the mail system will slightly decrease in high-availability mode due to data synchronization between the two servers.
- Functions that were enabled in all of the tests above: anti-spam, anti-virus, DNSBL, greylist, content scan, full-text search (English only).

Media Server

DLNA Compliance

v

Synology Photos

Facial Recognition

v

Snapshot Replication

Maximum Snapshots per Shared Folder

1,024

Maximum of System Snapshots

65,536

Surveillance Station

Maximum IP cam ([Licenses required](#))

40 (including 2 Free License) ([see all supported IP cameras](#))

Total FPS (H.264)

1200 FPS @ 720p (1280×720)
800 FPS @ 1080p (1920×1080)
350 FPS @ 3M (2048×1536)
280 FPS @ 5M (2591×1944)
170 FPS @ 4K (3840×2160)

Total FPS (H.265)

1200 FPS @ 720p (1280×720)
1200 FPS @ 1080p (1920×1080)
600 FPS @ 3M (2048×1536)
480 FPS @ 5M (2591×1944)
200 FPS @ 4K (3840×2160)

Notes	<ul style="list-style-type: none"> • Maximum IP cameras and FPS figures are tested with the device fully populated with drives and under a continuous recording setup. • Actual system capabilities may differ depending on system configuration, drive performance, number of features enabled, and if additional workloads are present.
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Synology Drive

Recommended Number of Concurrent Sync Clients	350 (the number of connections that can be maintained when the recommended number of hosted files was reached)
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Recommended Number of Hosted Files	5,000,000 (applies to files indexed or hosted by Synology Drive . For file access through other standard protocols, refer to the File Services section above)
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Notes	<ul style="list-style-type: none"> • Exceeding the recommended numbers above will not block application operations, but may result in longer response time. • Utilizing SSD cache can significantly improve performance. • For tested models with expandable memory, the maximum amount of RAM was installed. • Btrfs file system and non-encrypted shared folders were used during the aforementioned testing.
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Synology Office

Maximum Users	1,200
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Notes	<ul style="list-style-type: none"> • Multiple files were opened for testing and each file was edited by 30 users simultaneously. • For tested models with expandable memory, the maximum amount of RAM was installed. • Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM
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Video Station

v

Virtual Machine Manager

Recommended Virtual Machine Instances	4 (Learn more)
Recommended Virtual DSM Number (Licenses required)	4 (including 1 Free License)
Notes	The specifications vary depending on system configuration and memory size.
VPN Server	
Maximum Connections	40