

Product





Hardware Specs

CPU	
CPU Model	Intel Celeron J4125
CPU Quantity	1
CPU Architecture	64-bit
CPU Frequency	4-core 2.0 (base) / 2.7 (burst) GHz
Hardware Encryption Engine (AES-NI)	v
Memory	
System Memory	2 GB DDR4 non-ECC
Total Memory Slots	1
Maximum Memory Capacity	6 GB (2 GB + 4 GB)
Notes	 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.
Storage	
Drive Bays	2
Compatible Drive Type* (See all supported drives)	3.5" SATA HDD2.5" SATA SSD
Hot Swappable Drive*	V

Notes	"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*	2	
USB Copy	v	
Notes	 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. 	
File System		
Internal Drives	BtrfsEXT4	
External Drives	 Btrfs EXT4 EXT3 FAT NTFS HFS+ exFAT 	
Appearance		
Size (Height x Width x Depth)	165 mm x 108 mm x 232.2 mm	
Weight	1.30 kg	
Others		
System Fan	92 mm x 92 mm x 1 pcs	
Fan Speed Mode	Full-Speed ModeCool ModeQuiet Mode	

Brightness Adjustable Front LED Indicators	v
Power Recovery	v
Noise Level*	22 dB(A)
Scheduled Power On / Off	v
Wake on LAN / WAN	v
Power Supply Unit / Adapter	60 W
Redundant Power Supply	-
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	14.69 W (Access) 4.41 W (HDD Hibernation)
British Thermal Unit	50.09 BTU/hr (Access) 15.04 BTU/hr (HDD Hibernation)
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 stae. 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
- CCC
- KC

Warranty

2-year hardware warranty, extendable to 4 years with 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 non-ECC SODIMM: D4NESO-2666-4G
- 3.5" SATA HDD: HAT3300
- Surveillance Device License Pack

Notes

All memory modules will operate at the maximum frequency specified by the CPU manufacturer.

Software Specs

DSM Specifications

Storage Management

Maximum Single Volume Size*	108 TB
Maximum Internal Volume Number	64
SSD TRIM	v
Supported RAID Type	 Synology Hybrid RAID Basic JBOD RAID 0 RAID 1
RAID Migration	Basic to RAID 1
Volume Expansion with Larger HDDs	Synology Hybrid RAIDRAID 1
Volume Expansion by Adding a HDD	Synology Hybrid RAID
Notes	 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. Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration.
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)	1,500

Windows Access Control List (ACL) Integration	v
NFS Kerberos Authentication	v
Notes	 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	256
Maximum Shared Folder Sync Tasks	8

Hybrid Share

Maximum Hybrid Share Folders	10
Hyper Backup	
Folder and Package Backup	v
Entire System Backup	v
Notes	Full-system backup requires DSM 7.2 or later.
High Availability	
Synology High Availability	v

Log Center

Syslog Events per Second	800
General Specifications	
Networking Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV
Supported Browsers	 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, ภาษาไทย, 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	 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	ν

Object Recognition	V	
Notes	Object recognition requires an upgrade of memory capacity to a minimum of 4 GB.	
Snapshot Replication		
Maximum Snapshots per Shared Folder	1,024	
Maximum of System Snapshots	65,536	
Surveillance Station		
Maximum IP cam (Licenses required)	25 (including 2 Free License) (see all supported IP cameras)	
Total FPS (H.264)	750 FPS @ 720p (1280×720) 750 FPS @ 1080p (1920×1080) 350 FPS @ 3M (2048×1536) 275 FPS @ 5M (2591×1944) 170 FPS @ 4K (3840×2160)	
Total FPS (H.265)	750 FPS @ 720p (1280×720) 750 FPS @ 1080p (1920×1080) 600 FPS @ 3M (2048×1536) 475 FPS @ 5M (2591×1944) 200 FPS @ 4K (3840×2160)	
Notes	 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. 	
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)	
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)	

	 Exceeding the recommended numbers above will not block application operations, but may result in longer response time.
Notes	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.

Synology Office

Maximum Users	1,200
Notes	 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

Video Station

v

Virtual Machine Manager		
Recommended Virtual Machine Instances	2 (Learn more)	
Recommended Virtual DSM Number (Licenses required)	2 (including 1 Free License)	
Notes	The specifications vary depending on system configuration and memory size.	
VPN Server		
Maximum Connections	40	