

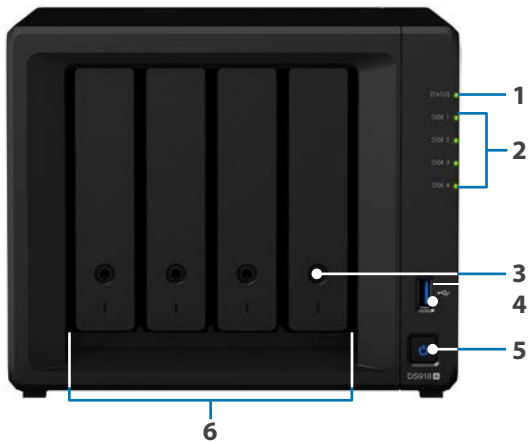
DiskStation

DS918+

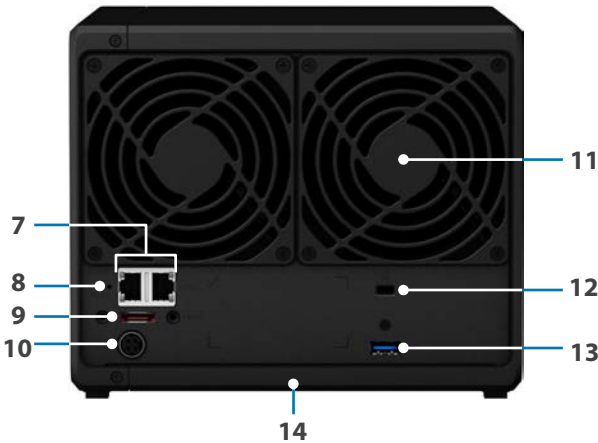


Hardware Overview

Front



Rear



1	Status indicator	2	Drive status indicator	3	Drive tray lock	4	USB 3.0 port
5	Power button and indicator	6	Drive tray	7	1GbE RJ-45 port	8	Reset button
9	eSATA port	10	Power port	11	Fan	12	Kensington Security Slot
13	USB 3.0 port	14	M.2 NVMe SSD slot (bottom side)				

Technical Specifications

Hardware

CPU	Intel Celeron J3455 quad-core 1.5GHz, burst up to 2.3GHz
Hardware encryption engine	Yes (AES-NI)
Hardware transcoding engine	<ul style="list-style-type: none"> o Supported codecs: H.264 (AVC), H.265 (HEVC), MPEG-2, VC-1 o Maximum resolution: 4K (4096 x 2160) o Maximum frames per second (FPS): 30
Memory	4 GB DDR3L SO-DIMM (expandable up to 8 GB)
Compatible drive type	<ul style="list-style-type: none"> o 4 x 3.5" or 2.5" SATA SSD/HDD (drives not included) o 2 x M.2 NVMe 2280 SSD (drives not included)

External port	<ul style="list-style-type: none"> o 2 x USB 3.0 port o 1 x eSATA port
Size (HxWxD)	166 x 199 x 223 mm
Weight	2.28 kg
LAN	2 x 1GbE (RJ-45)
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fan	2 (92 x 92 x 25 mm)
AC input power voltage	100V to 240V AC
Power frequency	50/60Hz, single phase
Operating temperature	5°C to 40°C (40°F to 104°F)
Storage temperature	-20°C to 60°C (-5°F to 140°F)
Relative humidity	5% to 95% RH
Maximum operating altitude	5,000 m (16,400 ft)

General DSM Specification

Networking protocol	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP)
File system	<ul style="list-style-type: none"> o Internal: Btrfs, ext4 o External: Btrfs, ext4, ext3, FAT, NTFS, HFS+, exFAT*
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Storage management	<ul style="list-style-type: none"> o Maximum internal volumes: 512 o Maximum iSCSI targets: 32 o Maximum iSCSI LUNs: 256 o iSCSI LUN clone/snapshot support
SSD cache	SSD read-write cache support
File sharing capability	<ul style="list-style-type: none"> o Maximum local user accounts: 2,048 o Maximum local groups: 256 o Maximum shared folders: 512 o Maximum concurrent SMB/NFS/AFP/FTP connections: 1,000
Privilege	Windows Access Control List (ACL), application privilege
Directory service	Windows® AD integration: Domain users login via SMB/NFS/AFP/FTP/File Station, LDAP integration
Virtualization	VMware vSphere® 6.5, Microsoft Hyper-V®, Citrix®, OpenStack®
Security	Firewall, encrypted shared folder, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, HTTPS (Customizable cipher suite)
Supported client	Windows 7 and 10, Mac OS X® 10.11 onwards
Supported browser	Chrome®, Firefox®, Internet Explorer® 10 onwards, Safari® 10 onwards; Safari (iOS 10 onwards), Chrome (Android™ 6.0 onwards)
Interface Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, PyccK1 t11, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Packages and Applications

File Station	Virtual drive, remote folder, Windows ACL editor, compressing/extracting archived files, bandwidth control for specific users or groups, creating sharing links, transfer logs
FTP Server	Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocol, boot over the network with TFTP and PXE support, transfer logs
Universal Search	Offer global search into applications and files
Hyper Backup	Support local backup, network backup, and backup data to public clouds
Active Backup for Server	Centralize data backup for Windows and Linux servers without client installation
Backup tools	DSM configuration backup, macOS Time Machine support, Cloud Station Backup Shared folder sync - maximum tasks: 8
Cloud Station Suite	Sync data between multiple platforms by installing the client utilities on Windows, Mac, Linux, Android and iOS devices, while retaining up to 32 historical versions of files Maximum concurrent file transfers: 1,000
Cloud Sync	One or two-way synchronization with public cloud storage providers including Amazon Drive, Amazon S3-compatible storage, Baidu cloud, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, MegaDisk, Microsoft OneDrive, OpenStack Swift-compatible storage, WebDAV servers, Yandex Disk
Surveillance Station	Maximum IP cameras: 40 (total of 1,200 FPS at 720p, H.264) (includes two free camera licenses; additional cameras require the purchasing of additional licenses)
Virtual Machine Manager	Deploy and run various virtual machines on Synology NAS, including Windows, Linux, or Virtual DSM
High Availability Manager	Reduce service downtime by setting up two identical NAS into one high-availability cluster
Snapshot Replication	<ul style="list-style-type: none"> o Maximum replications: 64 o Maximum shared folder snapshots: 1,024 o Maximum system snapshots: 65,536
Active Directory Server	A flexible and cost-effective domain controller solution

VPN Server	Maximum connections: 20, supported VPN protocol: PPTP, OpenVPN™, L2TP/IPSec
MailPlus Server	Secure, reliable, and private mail solution with high-availability, load balancing, security and filtering design (Includes 5 free email account licenses; additional accounts require the purchasing of additional licenses)
MailPlus	Intuitive webmail interface for MailPlus Server, customizable mail labels, filters, and user interface
Collaboration tools	<ul style="list-style-type: none"> o Chat maximum users: 1,500 o Office maximum users: 200, maximum simultaneous editing users: 80 o Calendar: support CalDAV and access via mobile devices
Note Station	Rich-text note organization and versioning, encryption, sharing, media embedding and attachments
Storage Analyzer	Volume and quota usage, total size of files, volume usage and trends based on past usage, size of shared folders, largest/most/least frequently modified files
Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Download Station	Supported download protocols: BT, HTTP, FTP, NZB, eMule, Thunder, FlashGet, QDDL Maximum concurrent download tasks: 80
Web Station	Virtual host (up to 30 websites), PHP/MariaDB®, 3rd-party applications support
Other packages	Video Station, Photo Station, Audio Station, DNS Server, RADIUS Server, iTunes® Server, Log Center, additional 3rd-party packages are available in Package Center
iOS/Android™ applications	DS audio, DS cam, DS cloud, DS file, DS finder, DS get, DS note, DS photo, DS video, MailPlus
Windows Phone® applications	DS audio, DS file, DS finder, DS get, DS photo, DS video

Environment and Packaging

Environment safety	RoHS compliant
Package content	<ul style="list-style-type: none"> o DS918+ main unit x 1 o Quick Installation Guide x 1 o Accessory pack x 1 o AC power adapter x 1 o RJ-45 LAN cable x 2
Optional accessories	<ul style="list-style-type: none"> o D3NS1866L-4G o Expansion Unit DX517 o VisualStation VS360HD, VS960HD o Surveillance Device License Pack o MailPlus License Pack
Warranty	3 years

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

1. Performance figures may vary depending on environment, usage, and configuration.
2. DS918+ supports one Synology DX517, sold separately.
3. DS918+ can transcode 4K video to 1080p or lower. The maximum number of concurrent video transcoding channels supported may vary depending on the video codec, resolution, bitrate and FPS.
4. exFAT Access is purchased separately in Package Center.