

FlashStation

FS3017



Technical Specifications

Hardware

CPU	2 x Intel Xeon E5-2620 six-core 2.4GHz
Hardware encryption engine	Yes (AES-NI)
Memory	64 GB DDR4-2133 ECC RDIMM, expandable up to 512 GB
Compatible drive type	24 x 2.5" SAS SSD / HDD or SATA SSD
External ports	2 x USB 3.0
Size (HxWxD)	<ul style="list-style-type: none"> o 88 x 430.5 x 692 mm o 88 x 482 x 724 mm (with server ears) o 2RU
Weight	17.13 kg
LAN	2 x 10GbE (RJ45)
PCIe 3.0 slot	<ul style="list-style-type: none"> o x16 slot x 1 (16-lane) o x8 slot x 1 (8-lane) o 10GbE / 25GbE / 40GbE network interface cards support
Scheduled power on / off	Yes
System fan	4 (80 x 80 x 32 mm)
AC input power voltage	100V to 240V AC
Power frequency	47 to 63Hz, single phase
Operating temperature	5°C to 35°C (40°F - 95°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

Networking protocol	CIFS, 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+, exFAT²
Storage management	<ul style="list-style-type: none"> o Maximum single volume size: 108TB, 200TB (RAID 5 or RAID 6 groups only) o Maximum internal volumes: 1,024 o Maximum iSCSI Targets: 128 o Maximum iSCSI LUNs: 512 o iSCSI LUN clone / snapshot support
Supported RAID type	Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID F1
File sharing capability	<ul style="list-style-type: none"> o Maximum user account: 16,000 o Maximum user group: 512 o Maximum shared folder: 512 o Maximum concurrent CIFS / AFP / FTP connections: 13,000
Privilege	Windows Access Control List (ACL)
Virtualization	VMware vSphere® 6, Microsoft Hyper-V®, Citrix®, OpenStack®
Directory service	Windows® AD integration: Domain users login via Samba (CIFS) / AFP / FTP / File Station, LDAP integration

Security	FTP over SSL / TLS, IP auto-block, firewall, encrypted network backup over Rsync, HTTPS connection
Utilities	Synology Web Assistant, Cloud Station Drive, Cloud Station Backup, Cloud Sync Decryption Tool, Evidence Integrity Authenticator, Snapshot Manager for VMware, Snapshot Manager for Windows, NFS Plug-in for VMware VAAI
Supported clients	Windows 7 onward, Mac OS X® 10.10 onward
Supported browsers	Chrome®, Firefox®, Internet Explorer® 9 onwards, Safari® 8 onwards; Safari (iOS 7 onwards), Chrome (Android™ 4.0 onwards) on tablets
Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, PyccK111i., Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Applications

File Station	Virtual drive, remote folder, Windows ACL editor, compress / extract archived files, bandwidth control for specific users or groups, creating sharing links, transfer logs
Backup solutions	Network backup; local backup; desktop backup; configuration backup; OS X Time Machine; backup data to public cloud; shared folder sync - maximum task number: 32
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
High Availability Manager	Combines two FS3017 into one high-availability cluster
Security Advisor	Malware detection / removal, user account / password, network, system-related security scan
iOS / Android™ applications	DS cloud, DS file, DS finder, DS cam, DS note, MailPlus
Windows Phone® applications	DS file, DS finder

Add-on Packages

Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Cloud Station Suite	Maximum concurrent file transfers: 16,000, retain historical and deleted file versions
Cloud Sync	One or two-way synchronization with public cloud storage providers including Amazon Cloud Drive, Amazon S3-compatible storage, Baiduyun, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, Megafon Disk, Microsoft OneDrive, OpenStack Swift-compatible storage, WebDAV servers, Yandex Disk
Log Center	SSL connection, log rotation: 6 months, 1 year, 2 years, 3 years, email notification
MailPlus	Intuitive webmail interface for MailPlus Server; customizable mail labels, filters and user interface
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)
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
Surveillance Station	Maximum IP camera: 100 (total of 3,000 FPS at 720p, H.264) (Includes two free camera licenses, additional cameras require the purchasing of additional licenses)
VPN Server	Maximum connections: 30; supported VPN protocol: PPTP, OpenVPN™, L2TP
Web Station	Virtual host (up to 30 websites), PHP / MariaDB®, 3rd-party applications support
Other packages	Additional 3rd-party packages are available on Package Center

Environment and Packaging

Environment safety	RoHS compliant
Package content	<ul style="list-style-type: none"> o FS3017 main unit o Quick Installation Guide o Accessory pack o 2 x AC power cord
Optional accessories	<ul style="list-style-type: none"> o 16GB / 32GB DDR4-2133 ECC RDIMM (RAMRG2133DDR4-16G / RAMRG2133DDR4-32G) o Synology E10G17-F2 / E10G15-F1 10Gbps Ethernet adapters o Synology FS3017 Expansion Card for Expansion Unit RX2417sas support⁴ o Synology Expansion Unit RX2417sas o Synology RKS1317-Rail Kit Sliding o Synology Surveillance Video Decoder VS360HD o Surveillance Device License Pack o MailPlus License Pack
Warranty	5 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. iSCSI over RDMA support vary depending on the NICs installed. Please refer to www.synology.com for the latest NIC compatibility list.
3. exFAT Access is purchased separately in Package Center
4. FS3017 supports up to 2 Synology Expansion Unit RX2417sas when the optional FS3017 Expansion Card is installed.

