

# RackStation

# RS4017xs+

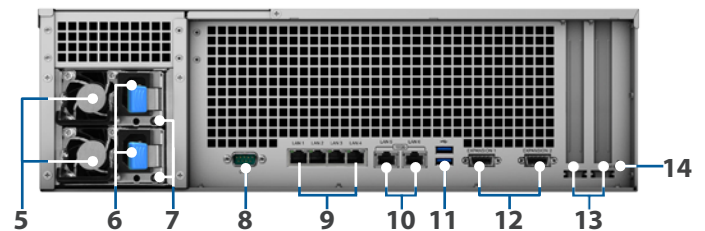


## Hardware Overview

Front



Rear



1	Power button and indicator	2	Beep off button	3	Drive tray	4	Drive status indicator
5	PSU fan	6	Power port	7	PSU indicator	8	Console port
9	1GbE RJ-45 port	10	10GbE RJ-45 (10GBase-T) port	11	USB 3.0 port	12	Expansion port
13	PCIe expansion slot	14	RESET button				

## Technical Specifications

### Hardware

CPU	Intel Xeon D-1541 8-core 2.1GHz, burst up to 2.7GHz
Hardware encryption engine	Yes (AES-NI)
Memory	8 GB DDR4-2133 ECC UDIMM, expandable up to 64GB
Compatible drive type	16 x 3.5/2.5" SATA HDD/SSD
External ports	<ul style="list-style-type: none"> <li>o 2 x USB 3.0 port</li> <li>o 2 x Expansion port</li> </ul>
Size (HxWxD)	<ul style="list-style-type: none"> <li>o 132.3 x 430.5 x 624.5 mm</li> <li>o 132.3 x 482 x 656.5 mm (with server ears)</li> <li>o 3RU</li> </ul>
Weight	17.4 kg
LAN	<ul style="list-style-type: none"> <li>o 2 x 10GbE RJ45 (10GBase-T)</li> <li>o 4 x 1GbE RJ45</li> </ul>
PCIe 3.0 slot	<ul style="list-style-type: none"> <li>o 2 x 8-lane x8 slot</li> <li>o High-performance network interface card support</li> </ul>
Scheduled power on / off	Yes
System fan	3 (80 x 80 x 32 mm)
AC input power voltage	100V to 240V AC
Power frequency	50 to 60Hz, 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"><li>o Internal: Btrfs, ext4</li><li>o External: Btrfs, ext4, ext3, FAT, NTFS, HFS+, exFAT<sup>3</sup></li></ul>
Storage management	<ul style="list-style-type: none"><li>o Maximum single volume size: 108TB / 200TB (at least 32GB RAM required, for RAID 5 or RAID 6 groups only)</li><li>o Maximum internal volumes: 1,024</li><li>o Maximum iSCSI Targets: 128</li><li>o Maximum iSCSI LUNs: 512</li><li>o iSCSI LUN clone / snapshot support</li></ul>
Supported RAID type	Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
File sharing capability	<ul style="list-style-type: none"><li>o Maximum user account: 16,000</li><li>o Maximum user group: 512</li><li>o Maximum shared folder: 512</li><li>o Maximum concurrent CIFS / AFP / FTP connections: 2,048</li></ul>
Privilege	Windows Access Control List (ACL)
Virtualization	VMware vSphere <sup>®</sup> 6, Microsoft Hyper-V <sup>®</sup> , Citrix <sup>®</sup> , OpenStack <sup>®</sup>
Directory service	Windows <sup>®</sup> 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, Photo Station Uploader, Snapshot Manager for VMware, Snapshot Manager for Windows, NFS Plug-in for VMware VAAI
Supported clients	Windows 7 onward, Mac OS X <sup>®</sup> 10.10 onward
Supported browsers	Chrome <sup>®</sup> , Firefox <sup>®</sup> , Internet Explorer <sup>®</sup> 9 onwards, Safari <sup>®</sup> 8 onwards; Safari (iOS 7 onwards), Chrome (Android™ 4.0 onwards) on tablets
Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, PyccK11ii:, 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 RS4017xs+ 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, Chat
Windows Phone <sup>®</sup> applications	DS file, DS finder

## Add-on Packages

Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Chat	Messaging service that runs locally, ensuring sensitive corporate information remains safely stored on company premises while providing users usability equivalent of public cloud services. Built to work with Office and Calendar seamlessly.
Cloud Station Suite	Default concurrent file transfers: 2,000, 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
Office	Real-time collaboration on your private cloud. Work seamlessly together on documents and spreadsheets on your secured company network while combining the convenience and usability of a public cloud service.
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: 90 (total of 2,700 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 <sup>®</sup> , 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"><li>o RS4017xs+ main unit</li><li>o Quick Installation Guide</li><li>o Accessory pack</li><li>o 2 x AC power cord</li></ul>

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Optional accessories	<ul style="list-style-type: none"><li>o 8GB / 16GB DDR4-2133 ECC UDIMM (RAMEC2133DDR4-8G / RAMEC2133DDR4-16G)</li><li>o Synology E10G17-F2 / E10G15-F1 10Gbps Ethernet adapters</li><li>o Synology Expansion Unit RX1217/RX1217RP</li><li>o Synology RKS1317-Rail Kit Sliding</li><li>o Synology Surveillance Video Decoder VS360HD</li><li>o Surveillance Device License Pack</li><li>o MailPlus License Pack</li><li>o Docker DSM License Pack</li></ul>
Warranty	5 years

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\*Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

1. Performance figures may vary depending on environment, usage and configuration.
2. RS4017xs+ supports up to 2 Synology Expansion Unit RX1217/RX1217RP, sold separately.
3. exFAT Access is purchased separately in Package Center.

