Synology®

FlashStation FS2017

High performance all-flash NAS designed for I/O-intensive and latency-sensitive applications

Faster performance, greater scalability, and easier management

High performance all-flash NAS designed for I/O-intensive and latency-sensitive applications

CPU
Intel® Xeon D-1541 8-core processor

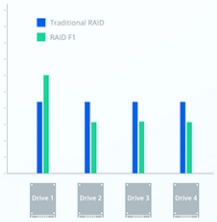
Memory
16GB DDR4 ECC RDIMM up to 128GB

High Performance
Up to 90,000 4K random write IOPS

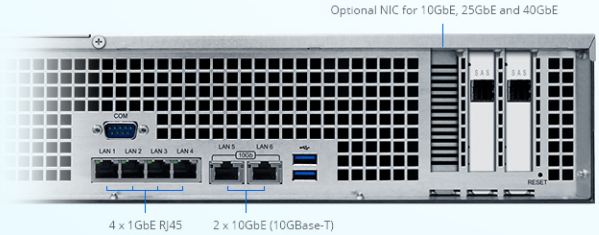
Scalability
Up to 72 drives with RX2417sas1

RAID F1

Due to the peculiarities of SSD and RAID technology, a common challenge lies in how to prevent all of the drives from failing at the same time because of the evenly distributed workload. RAID F1 alleviates this problem with a specially designed algorithm to unevenly distribute workload to drives, enhancing the resilience of the storage pool and ensuring your data remains safe.



Compared with traditional RAID, RAID F1 distributes uneven workload to SSDs to prevent all drives from wearing out simultaneously.

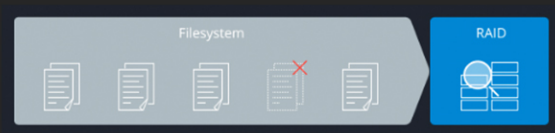


Fast and reliable networking

With the multi-LAN design, FS2017 is capable of performing Link Aggregation and failover. For environments requiring a higher speed, an optional Ethernet add-on card can be installed into the PCIe slot, providing fast data transmission of 40GbE/25GbE/10GbE.

Btrfs: Next generation storage efficiency

Btrfs file system introduces the most advanced storage technologies to meet the management needs of modern large scale businesses:



- Flexible Shared Folder/User Quota System provides comprehensive quota control on all user accounts and shared folders
- Snapshot Replication provides schedulable and storage capacity-saving data protection with 1,024 shared folder backups and 65,000 system-wide snapshots
- File or folder level data restoration makes data recovery fast and flexible
- Automatic file self-healing detects and recovers corrupted files without user intervention

Fully certified storage virtualization solutions

Synology iSCSI storage fully supports most virtualization solutions to enhance work efficiency with easy management interface. VMware vSphere 6 and VAAI integration helps offload storage operations and optimizes computation efficiency. Windows Offloaded Data Transfer (ODX) speeds up data transfer and migration rate. OpenStack Cinder support turns your Synology NAS into a block-based storage component.

5 year warranty

Synology FS2017 is backed with Synology's 5-year limited warranty. With technical support and hardware replacement service, the 5-year warranty maximizes your enterprises' return on investment. For the entire duration, you will enjoy technical support via email and telephone.

Snapshot Replication

Provides schedulable and instantaneous data protection for shared folders and virtual machines in iSCSI LUNs in the event of disasters.

High Availability

Ensures seamless service transition between clustered servers in the event of a server failure.

Hyper Backup

Block-level incremental data backup in multiple versions and cross-version deduplication.

CMS

Manage multiple Synology NAS servers simultaneously through a centralized interface to increase administrative efficiency.

Cloud Station Suite

Synchronize cross-platform data automatically with file version control on all your devices.

Hyper Backup

Set up a secure, reliable, and private mail server while giving you a modern mail client for receiving and sending emails.