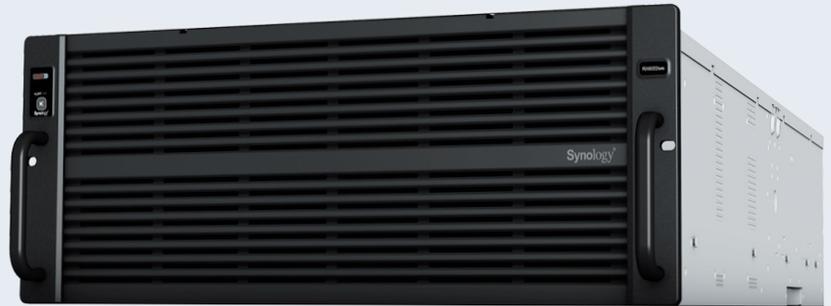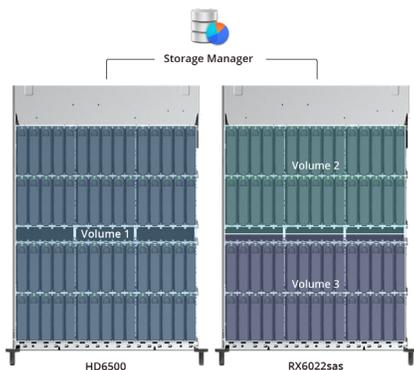![Synology®]

Expansion Unit

RX6022sas

High-Density Capacity Expansion for Synology HD6500 Servers

The 4U RX6022sas enables seamless storage expansion for Synology's largest server unit, the 60-bay HD6500. Achieve even more storage availability with up to 60 additional drive bays through quick installation and intuitive setup in Synology DiskStation Manager (DSM). Add up to four RX6022sas units to tackle large-scale applications requiring cold or warm storage, maintaining the highest level of service availability through clever hardware and software solutions.

Highlights

- **On-The-Fly Installation**
  Add up to 60 additional 3.5" SAS drives with minimal setup and disruption
- **Simple Configuration**
  Start leveraging new storage in minutes using Synology DSM's unified tools
- **Service Availability Safeguards**
  Keep downtime at bay thanks to redundant components and support for SAS multipathing
- **Designed for Synology Drives**
  Boost dependability through Synology drives' stress-tested reliability and integration
- **Long-Term Support**
  Backed by Synology's 5-year limited warranty[1]

Expand Storage on the Fly

Simplify initial configuration and management down the road with online storage expansion, which ensures that services on the host do not get interrupted when adding new volumes or expanding RAID volumes on the expansion unit.

Synology Has You Covered

Keep your business running with the technical support services included in Synology's 5-year limited warranty.[1]

Quick Deployment Through Plug-And-Play Design

Carry out planned expansion or tackle unexpected demand for additional storage without incurring in costly disruptions: The RX6022sas is ready to use as soon as it is connected to its host device.

High bandwidth connectivity ensures maximum data throughput between the host and the expansion unit, resulting in drives on the latter that operate with minimal latency.

Hardware Redundancy for Increased Reliability

Minimize downtime thanks to modular drive trays and system fans that you can replace quickly and easily in case of malfunction, and eliminate single points of failure with dual power supplies.

Fault tolerance is boosted even further by support for SAS multipathing, which reroutes data through alternate physical paths should the primary interface or connection fail. Multiple paths also provide more consistent performance when multiple expansion units are deployed.
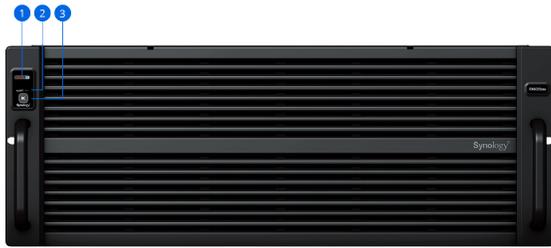
Achieve More With Synology Drives

Developed in tandem with Synology systems for maximum integration and backed by stringent validation and compatibility testing, **HAS5300 SAS HDDs** provide the top performance and reliability required in enterprise deployments handling mission-critical workloads.

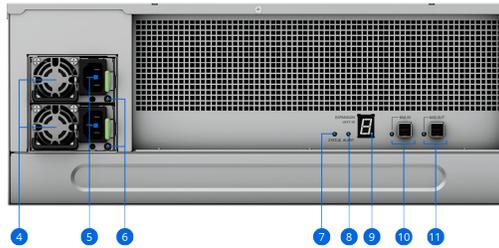## Backed by Synology's 5-Year Limited Warranty

Maximize your return on investment with the comprehensive hardware replacement and premium technical support offered by Synology's 5-year limited warranty.[1]

Hardware Overview

Front

Rear

Top

1	Power Indicator	2	Alert Indicator	3	Alert Off Button	4	PSU Fans
5	Power Ports	6	PSU Indicators	7	Status Indicator	8	Alert Indicator
9	Expansion Unit ID Indicator	10	SAS IN Port and Indicator	11	SAS OUT Port and Indicator	12	Drive Trays
13	Drive Status Indicators						

Hardware

Compatible drive types	• 60 x 3.5" SAS HDD (drives not included) • Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability[2]
Hot swappable drives	Yes
External ports	SAS IN x 1, SAS OUT x 1 (Mini-SAS HD)
Size (HxWxD)	• 176 x 438 x 985 mm • 176 x 482 x 1,020 mm (with server handles)
Weight	33.9 kg
System fans	4 x (80 x 80 x 38 mm)
AC input power voltage	200 V to 240 V AC
Power frequency	50/60 Hz, single phase
Operating environment	• Temperature: 0°C to 35°C (32°F to 95°F) • Relative humidity: 8% to 80% RH
Storage environment	• 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)

Environment and Packaging

Environmental safety	RoHS compliant
Package contents	• 1 x RX6022sas main unit • 1 x RKS-03 sliding rail kit • 2 x AC power cord • 2 x Expansion cable • 1 x Accessory pack • 1 x Quick Installation Guide
Optional accessories[3]	3.5" SAS HDD HAS5300
Warranty	5 years[1]

Note: Specifications are subject to change without notice. Please refer to the unit's **specifications page** for the most up to date information.

1. The warranty period starts from the date of purchase as stated on your receipt. Visit **https://www.synology.com/company/legal/warranty** for more information.
2. Check our **compatibility list** for supported drives.
3. Please refer to our **compatibility list** for the latest optional accessories list.