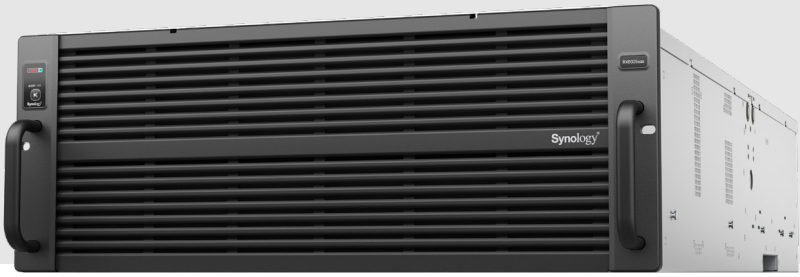
Synology®

Expansion unit

# RX6025sas




## High-Density Capacity Expansion for Synology HD6500 Servers

The 4U RX6025sas 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)[1]. Add up to four RX6025sas 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" Synology SAS HDDs or 2.5" Synology SATA SSDs with minimal setup and disruption[2]
- **Simple Configuration**
  Leverage new storage in minutes using Synology DSM's unified tools
- **Service Availability Safeguards**
  Redundant components and support for SAS multipathing keeps downtime at bay
- **Designed for Synology Drives**
  Synology drives are rigorously stress-tested for the upmost reliability and compatibility
- **Long-Term Support**
  Backed by Synology's 5-year limited warranty[3]

## Quick Deployment Through Plug-And-Play Design

Carry out planned expansion or tackle unexpected demand for additional storage without incurring in costly disruptions: The RX6025sas 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

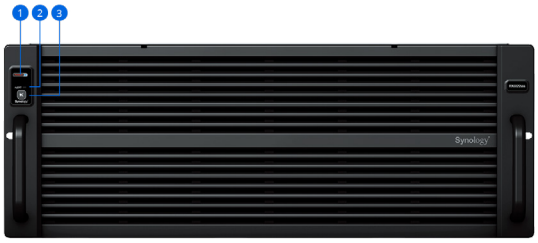
Developed in tandem with Synology systems for maximum integration and backed by stringent validation and compatibility testing, HAS5300 SAS HDDs provide the top performance and reliability required in enterprise deployments handling mission-critical workloads.

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

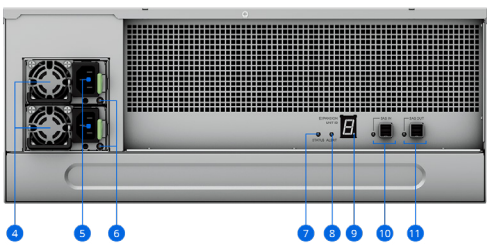
Maximize your return on investment with the comprehensive hardware replacement and premium technical support offered by Synology's 5-year limited warranty.[3]

# Hardware Overview

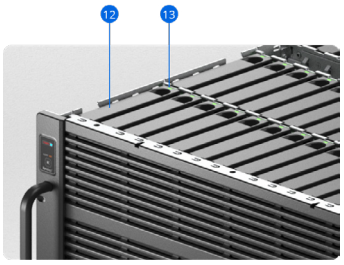
Front




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 | | | | | | |

# Technical Specifications

## Hardware

| | |
|---|---|
| **Compatible drive types** | 60 × 3.5" Synology SAS HDD or 2.5" Synology SATA SSD (drives not included)[2]<br>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[4] |
| **Hot swappable drives** | Yes |
| **External ports** | SAS IN x 1, SAS OUT x 1 (Mini-SAS HD) |
| **Size (HxWxD)** | • 176 × 438 × 985 mm<br>• 176 × 482 × 1,020 mm (with server handles) |
| **Weight** | 33.9 kg |
| **System fans** | 4 x (80 × 80 × 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)<br>• Relative humidity: 8% to 80% RH |
| **Storage environment** | • Temperature: -20°C to 60°C (-5°F to 140°F)<br>• 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 RX6025sas main unit<br>• 1 x RKS-03 sliding rail kit<br>• 2 x AC power cord<br>• 2 x Expansion cable<br>• 1 x Accessory pack<br>• 1 x Quick Installation Guide |
| **Optional accessories[5]** | • 3.5" SAS HDD: HAS5300 Series<br>• 2.5" SATA SSD: SAT5200 Series |
| **Warranty** | 5 years[3] |

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

1. Host system requires DSM 7.2.2-72806 Update 2 or above for operation of RX6025sas.
2. To install 2.5" SATA SSDs, optional 2.5" drive trays (R5) must be purchased separately. Learn more
3. 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.
4. Check our compatibility list for supported drives.
5. Please refer to our compatibility list for the latest optional accessories list.

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