Product Specifications

# RX6022sas

# Hardware Specifications

## Applied Models

| | |
|---|---|
| Supports creating volumes across different units | HD6500 |
| Notes | To have better performance, we recommend creating storage volumes physically located within the same NAS or Expansion Unit, rather than creating volumes across your NAS and Expansion Unit. |

## Storage

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|---|---|
| Drive Bays | 60 |
| Compatible Drive Type* (See all supported drives) | 3.5" SAS HDD |
| Maximum Internal Raw Capacity | 960 TB (16 TB drive x 60) (Capacity may vary by RAID types) |
| Hot Swappable Drive* | v |
| Notes | • 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.<br>• "Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay. |

## External Ports

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|---|---|
| Expansion Port | 2 |

## Appearance

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|---|---|
| Size (Height x Width x Depth) | 176 mm x 438 mm x 985 mm |

| | |
|---|---|
| Size (Height x Width x Depth) (with server ears) | 176 mm x 482 mm x 1020 mm |
| Weight | 33.9 kg |
| Rack Installation Support* | 4-post 19" rack (Synology Rail Kit - RKS-03) |

## Power

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|---|---|
| Power Recovery | Synchronized with the Synology RackStation |
| Power Supply Unit / Adapter | 1200 W |
| AC Input Power Voltage | 200V to 240V AC |
| Power Frequency | 50/60 Hz, Single Phase |
| Power Consumption | 811.8 W (Access)<br>231 W (HDD Hibernation) |
| British Thermal Unit | 2768.24 BTU/hr (Access)<br>787.71 BTU/hr (HDD Hibernation) |
| Redundant Power Supply (for RP model) | v |
| Notes | Power consumption is measured when it is fully loaded with Synology HAS5300-8T hard drive(s). |

## Temperature

| | |
|---|---|
| Operating Temperature | 0°C to 35°C (32°F to 95°F) |
| Storage Temperature | -20°C to 60°C (-5°F to 140°F) |
| Relative Humidity | 5% to 95% RH |

## Others

| | |
|---|---|
| System Fan | 80 mm x 80 mm x 4 pcs |
| Easy Replacement System Fan | v |
| Noise Level* | 61.7 dB(A) |

| | |
|---|---|
| Notes | Noise Level Testing Environment: Fully loaded with Synology HAS5300-8T hard drive(s) in the idle state. Two G.R.A.S. Type 40AE microphones, each set up 1 meter away from the Synology NAS at the front and rear. Background noise: 16.49-17.51 dB(A); Temperature: 24.25-25.75°C; Humidity: 58.2-61.8% |

## Certification

- UL
- FCC
- CE
- BSMI
- UKCA
- EAC
- VCCI
- RCM
- KC

## Warranty

5 Years

| | |
|---|---|
| Notes | The warranty period starts from the purchase date as stated on your purchase receipt. (Learn more) |

# Environment & Packaging

## Environment

RoHS Compliant

## Packaging Content

- Main Unit X 1
- Rail kit RKS-03 X 1
- Accessory Pack X 1
- AC Power Cord X 2
- Expansion Cable: Mini-SAS HD X 2
- Quick Installation Guide X 1

## Optional Accessories

3.5" SAS HDD: HAS5300