

Datasheet



RackStation

# RS1226RP+

Synology

# RS1226RP+



## Reliable 2U Storage for Data-Driven SMBs

Synology RackStation RS1226RP+ is a versatile and reliable 2U 8-bay storage system with built-in dual M.2 slots, ideal for small to medium sized businesses and branch offices that depend on 24/7 data service. Powered by Synology DiskStation Manager (DSM), this system streamlines data backups, file sharing and synchronizing, productivity applications, and other essential office applications.

- **Consistent Performance**  
Over 2,300/1,500 MB/s sequential read/write throughput<sup>1</sup> supports everyday office workloads
- **Simple Scalability**  
Effortlessly scale to 12 drive bays with one Synology RX426 Expansion Unit<sup>2</sup>
- **Flexible Networking**  
Two 2.5GbE RJ45 ports with optional 10/25GbE NICs and Fibre Channel adapters<sup>3</sup> maximize connectivity
- **Redundant Power**  
Two power supplies adds resiliency and ensures better business continuity
- **Comprehensive Backups**  
Protect your IT infrastructure with license-free solutions for backup, replication, and recovery

## Robust Storage Server for Office Applications

The 8-bay 2U RS1226RP+ is designed to help small to medium-sized businesses consolidate their data management onto one system. Built-in data protection solutions and easy hardware expandability make it an excellent option for applications that require dependable and cost-effective data storage.

- **Stable performance:** Over **2,300/1,500 MB/s sequential read/write** performance supports fast file sharing, syncing, and backup for teams<sup>1</sup>
- **Flexible storage:** Support for all-flash and hybrid configurations allows users to add SATA SSDs as storage volumes or as read/write cache<sup>4</sup> to accelerate HDD volumes
- **Supports NVMe acceleration:** Two **built-in M.2 slots** provide SSD caching capability without occupying drive bays<sup>4</sup>
- **Versatile networking:** Two built-in 2.5GbE RJ45 ports can be supplemented with 10/25GbE NICs and Fibre Channel adapters via the PCIe 3.0 expansion slot<sup>3</sup>
- **Scalable capacity:** Simple expansion up to 12 bays is available as needed with a Synology [RX426 Expansion Unit](#)<sup>2</sup>
- **Operational reliability:** Dual power supplies provide redundancy in power delivery, while hot-swappable drive trays and online volume management allow servicing without downtime

## Intelligent Storage Optimization

**Synology Tiering** automates data management across performance and capacity tiers for reliable, optimized data storage. By moving your cold data to the most cost-effective tier, it helps **maximize storage efficiency** for **improved storage economics**. The RS1226RP+ can be configured for hot or cold data storage depending on your requirements. Key capabilities include:

- Automatic relocation of infrequently accessed data from local high-performance storage to a remote cold tier
- Tiering policies based on last access time, available capacity, or a defined schedule
- Full data accessibility with frequently used files automatically restored to the hot tier
- Centralized dashboard for monitoring folder status, data distribution, capacity usage, and tiering activity

## Built-in Data and Uptime Protection Solutions

License-free solutions help protect data and configurations on your Synology system, ensure maximum system uptime, and back up and restore all your devices, VMs, and cloud applications.

- **Synology High Availability** provides fast failover between two identical Synology units to keep services available without interruption
- **Snapshot Replication** provides schedulable, rapid data protection and restoration with version control, ensuring that all shared folders and LUNs on your Synology system remain safe and available
- **Hyper Backup** protects your Synology system with full-system backups and backups of shared folders and configurations to multiple destinations with deduplication, integrity checks, compression, and versioning
- **Synology Active Backup Suite** lets you consolidate protection of Windows clients and servers, Linux endpoints, Synology systems, VMware® and Hyper-V® VMs, Microsoft 365 and Google Workspace, maximizing storage efficiency with data deduplication technology
- **C2 Storage for Hyper Backup** offers a dedicated secure public cloud destination for Synology NAS backup data<sup>5</sup>

---

## Advanced Data Security

Synology DiskStation Manager offers a multi-layered approach to data security that protects against physical breaches, malicious attacks, and accidental deletions.

- Protect sensitive data against physical data breaches with **full-volume encryption**
- Safeguard your data against unauthorized deletion with **WORM-powered immutable snapshots** and **WriteOnce shared folders**
- **Active Insight** uses machine learning to detect threats and automatically create immutable snapshots before damage spreads

---

## Collaboration in a Secure Cloud, Assisted by AI

Synology Office Suite provides a private cloud productivity solution for on-site and remote workers, as well as home users, to concurrently edit documents, share files, manage emails, send instant messages, organize media, and more.

- **Synology Office Suite AI** accelerates workflows by embedding generative capabilities directly into productivity apps to assist with drafting, summarizing, and analyzing data. It ensures data privacy through a centralized management console that locally masks sensitive information before it reaches third-party AI providers
- **Synology Drive** serves as a centralized hub to keep your files labeled and organized for easy access, offering granular file sharing permissions and customizable security features to ensure file safety

- **Synology Office** enables users to collaborate on documents, spreadsheets, and presentation slides in real time, with support for universal file formats and unlimited file versioning for easy restoration
- **Synology Chat** brings teams together with one-on-one conversations, group channels, and encrypted private channels
- **Synology MailPlus<sup>6</sup>** provides a secure, reliable, and private email server with advanced admin tools to simplify troubleshooting and increase server security
- **Synology Calendar** helps teams keep track of priorities with convenient calendar sharing and scheduling
- **Synology Contacts** enables organizations to manage and update address books with minimal effort
- **Synology Hybrid Share<sup>5</sup>** accelerates teamwork and collaboration across distributed sites, pairing cloud scalability with fast local access on your Synology systems

## Reliable and Secure Virtualization and Containerization

Leverage your Synology system as virtual machine storage, VM backup server, and alternative container for VM host, with full certification for VMware<sup>®</sup> vSphere™, Microsoft<sup>®</sup> Hyper-V<sup>®</sup>, Citrix<sup>®</sup> XenServer™, and OpenStack environments.

- **Synology Storage Console** for VMware or Windows platforms lets you manage VM storage components directly from your hypervisor. VMware VAAI integration and Windows ODX help offload storage operations and speed up data transfer
- **Host lightweight containers and VMs** for testing, sandboxing, and emergency recovery purposes with Container Manager and Synology Virtual Machine Manager, a native hypervisor that supports Windows, Linux, and virtualized versions of DSM<sup>7</sup>

## Build a Scalable and Centralized Surveillance System

**Synology Surveillance Station** transforms any Synology system into a powerful network video recorder (NVR) for single site surveillance, or it can serve as a central storage repository and management platform for multiple sites.<sup>8</sup>

- 17,000+ supported camera models
- ONVIF support for a broader selection of cameras
- Private, subscription-free storage of recordings
- Access through web browsers, desktop clients, and mobile apps
- Event-based rules to trigger specific actions

- Email, SMS, and push notification options
- Manage up to hundreds of sites centrally using [Synology Centralized Management System \(CMS\)](#)

## Backed by Synology's 3-Year Limited Warranty

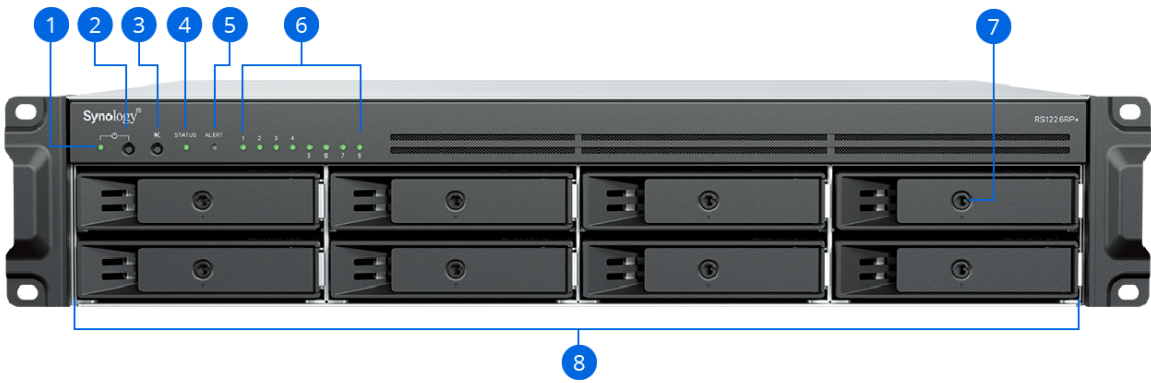
Plan your deployment with confidence. Synology's 3-year limited warranty<sup>9</sup> delivers long-term assurance with **hardware replacement** and **premium technical support** — so your infrastructure stays protected, and your team stays focused.

### Notes:

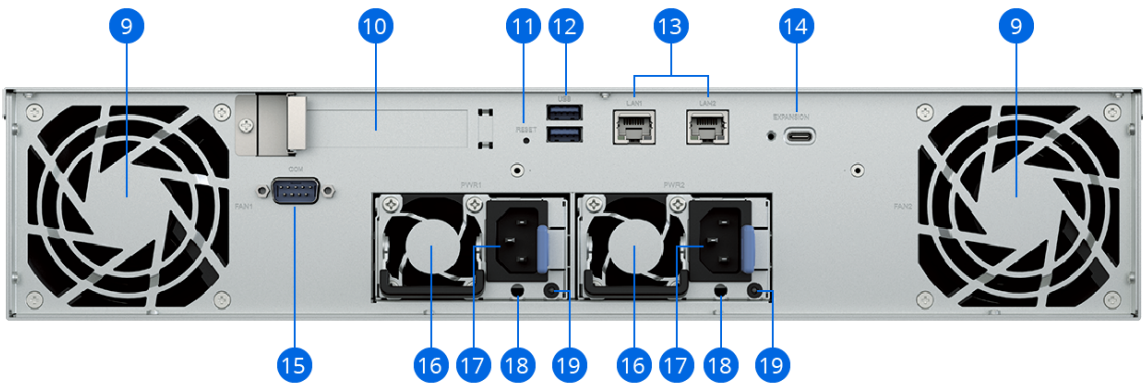
1. Performance figures obtained through internal testing by Synology. Actual performance may vary depending on the testing environment, usage, and configuration. See [performance charts](#) for more information.
2. RS1226RP+ supports up to 12 drives with a [Synology RX426](#) Expansion Unit, sold separately.
3. For the complete and most up-to-date list of compatible NICs, HBAs, and other accessories, please check our [compatibility list](#).
4. SSD cache can be enabled with select compatible SSD. See the [compatibility list](#) for model-specific support and details. SSDs are sold separately.
5. C2 Storage for Hyper Backup and Hybrid Share requires purchase of an annual or monthly [subscription](#). A free trial is available for each newly registered device.
6. Five MailPlus email accounts are included. Additional email accounts can be added with the purchase of Synology MailPlus License Packs. [Learn more](#)
7. Certain advanced features require [Virtual Machine Manager Pro](#). One Virtual DSM license is included. Additional Virtual DSM instances require the purchase of [Virtual DSM Licenses](#).
8. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. [Learn more](#).
9. The warranty period starts from the date of purchase as stated on your purchase receipt. Visit <https://www.synology.com/company/legal/warranty> for more information.

# Hardware Overview

Front



Rear



| No. | Name                    | No. | Name                |
|-----|-------------------------|-----|---------------------|
| 1.  | Power indicator         | 11. | Reset button        |
| 2.  | Power button            | 12. | USB 3.2 Gen 1 ports |
| 3.  | Alarm silence button    | 13. | 2.5GbE RJ-45 ports  |
| 4.  | Status indicator        | 14. | Expansion port      |
| 5.  | Alert indicator         | 15. | Console port        |
| 6.  | Drive status indicators | 16. | PSU fans            |
| 7.  | Drive tray locks        | 17. | Power port          |
| 8.  | Drive trays             | 18. | Mounting holes      |

|     |                            |     |                |
|-----|----------------------------|-----|----------------|
| 9.  | Fans                       | 19. | PSU indicators |
| 10. | PCI Express expansion slot |     |                |

# Technical Specifications

## Hardware

| CPU                        |                  |
|----------------------------|------------------|
| CPU Model                  | AMD Ryzen V1500B |
| CPU Quantity               | 1                |
| CPU Cores                  | 4                |
| CPU Threads                | 8                |
| CPU Architecture           | 64-bit           |
| CPU Frequency              | 2.2 GHz          |
| Hardware Encryption Engine | Yes              |

| Memory                      |                                                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Memory               | 4 GB DDR4 ECC SODIMM                                                                                                                                                                                                    |
| Memory Module Pre-installed | 4 GB (4 GB × 1)                                                                                                                                                                                                         |
| Total Memory Slots          | 2                                                                                                                                                                                                                       |
| Maximum Memory Capacity     | 32 GB (16 GB × 2)                                                                                                                                                                                                       |
| Notes                       | Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion. |

## Storage

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drive Bays                             | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum Drive Bays with Expansion Unit | 12 (RX426 × 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| M.2 Drive Slots                        | 2 (NVMe)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Drive Type                             | <ul style="list-style-type: none"><li>• 3.5" SATA HDD</li><li>• 2.5" SATA SSD</li><li>• M.2 2280 NVMe SSD</li></ul>                                                                                                                                                                                                                                                                                                                                                                              |
| Hot Swappable Drive                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Notes                                  | <ul style="list-style-type: none"><li>• The hot swappable drive feature is not supported by M.2 SSD slots.</li><li>• Compatible drives are mandatory. Please consult our <a href="#">compatibility list</a> before purchasing hard drives. For more details, please refer to <a href="#">this article</a>.</li><li>• SSD cache can be enabled with select compatible SSD. See the <a href="#">compatibility list</a> for model-specific support and details. SSDs are sold separately.</li></ul> |

## External Ports

|                       |            |
|-----------------------|------------|
| RJ-45 2.5GbE LAN Port | 2          |
| USB 3.2 Gen 1 Port    | 2          |
| Expansion Port        | 1          |
| Expansion Port Type   | USB Type-C |

## PCIe

|                |                            |
|----------------|----------------------------|
| PCIe Expansion | 1 x Gen3 ×8 slot (x4 link) |
|----------------|----------------------------|

## Appearance

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Form Factor (RU)              | 2U                                                            |
| Size (Height x Width x Depth) | 88.3 mm × 481.9 mm × 398.4 mm                                 |
| Weight                        | 8.9 kg                                                        |
| Rack Installation Support     | 4-post 19" rack (Synology Rail Kit - <a href="#">RKS-02</a> ) |
| Notes                         | The rail kit is sold separately                               |

## Others

|                             |                        |
|-----------------------------|------------------------|
| System Fan                  | 80 mm × 80 mm × 2 pcs  |
| Power Supply Unit / Adapter | 550 watts              |
| Redundant Power Supply      | Yes                    |
| AC Input Power Voltage      | 100 V to 240 V AC      |
| Power Frequency             | 50/60 Hz, Single Phase |

| 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) |
| Operating Humidity         | 8% to 80% RH                  |
| Storage Humidity           | 5% to 95% RH                  |
| Maximum Operating Altitude | 5,000 m                       |

## General DSM Specifications

| Storage Management                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Single Volume Size                                      | <ul style="list-style-type: none"> <li>• 200 TB (32 GB memory required)</li> <li>• 108 TB</li> </ul>                                                                                                                                                                                                                                                                                                                            |
| Maximum Internal Volume Number                                  | 32                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SSD Read/Write Cache ( <a href="#">Determining cache size</a> ) | Yes                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supported RAID Type                                             | <ul style="list-style-type: none"> <li>• Synology Hybrid RAID</li> <li>• Basic</li> <li>• JBOD</li> <li>• RAID 0</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> <li>• RAID 10</li> </ul>                                                                                                                                                                                                                            |
| Notes                                                           | <ul style="list-style-type: none"> <li>• Volumes over 108 TB require 32 GB of memory or more.</li> <li>• Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration.</li> <li>• Usable capacity for each volume will be lower than the maximum volume size and is dependent on the filesystem and the amount of system metadata stored.</li> </ul> |

## File System

### Internal Drives

Btrfs

### External Drives

- Btrfs
- ext4
- ext3
- FAT32
- NTFS
- HFS+
- exFAT

## File Services

### File Protocol

- SMB
- AFP
- NFS
- FTP
- WebDAV
- Rsync

### Maximum Number of SMB Connections (FSCT-Based)

200

### Windows Access Control List (ACL) Integration

Yes

### NFS Kerberos Authentication

Yes

## Account & Shared Folder

### Maximum Local User Accounts

1,024

### Maximum Local Groups

256

### Maximum Shared Folder

256

### Maximum Shared Folder Sync Tasks

8

## Virtualization

|                  |                                                                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VMware vSphere   | ESXi 8.0 U2, ESXi 8.0 U1, ESXi 8.0, ESXi 7.0 U3, ESXi 7.0 U2, ESXi 7.0 U1, ESXi 7.0, ESXi 6.7 U3, ESXi 6.7 U2, ESXi 6.7 U1, ESXi 6.7, ESXi 6.5 U3, ESXi 6.5 U2, ESXi 6.5 U1, ESXi 6.5 |
| Citrix XenServer | XenServer 8.4                                                                                                                                                                         |
| OpenStack        | Cinder                                                                                                                                                                                |

## Security

Firewall, encryption shared folder, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, HTTPS (customizable cipher suite)

## General Specifications

|                     |                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported Protocols | SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV                                                                            |
| Supported Browsers  | <ul style="list-style-type: none"><li>• Chrome</li><li>• Firefox</li><li>• Edge</li><li>• Safari</li></ul>                                                                                      |
| Supported Language  | English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文 |
| Notes               | For an updated list of supported browser versions, check the <a href="#">DSM Technical Specifications</a> .                                                                                     |

## Packages and Applications

### Synology AI Console

Centralize AI management with flexible configurations for AI model integration, user access control, data privacy, usage policies, and resource allocation

|                                  |                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Third-Party AI Model Integration | v                                                                                                                                                                                                                                                                                                                                                        |
| Maximum De-Identification Rate   | 200 words per second                                                                                                                                                                                                                                                                                                                                     |
| Notes                            | <ul style="list-style-type: none"> <li>De-identification performance measurement: Filters for Credit Card Numbers, IBAN, Individual Taxpayer Identification Number, SSN, and Names applied to a 4,355-word English text.</li> <li>To enable de-identification, your device must have at least 8 GB of memory and Container Manager installed.</li> </ul> |

## Synology Drive

Synchronizes files across Windows®, macOS®, Linux®, Android™ and iOS. The built-in cross-platform portal allows access to data anytime and anywhere

|                                |                                                                                                                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Number of Users        | 360                                                                                                                                                                           |
| Maximum Number of Hosted Files | 5,000,000 (applies to files indexed or hosted by <a href="#">Synology Drive</a> . For file access through other standard protocols, refer to the File Services section above) |

## File Station

Provides virtual drives, remote folders, Windows® ACL editor, compression/extraction of archived files, bandwidth control for specific users/groups, creation of sharing links, and transfer logs

## Hybrid Share

Synchronize data across multiple sites for fast and efficient multi-site teamwork. Powered by Synology C2 Storage, Hybrid Share requires purchase of a monthly or annual subscription

## SAN Manager

|                                 |     |
|---------------------------------|-----|
| Maximum iSCSI Target Number     | 64  |
| Maximum LUN                     | 128 |
| LUN Clone/Snapshot, Windows ODX | Yes |

## Virtual Machine Manager

Recommended Virtual Machine Instances

8 ([Learn more](#))

Recommended Virtual DSM Number  
([Licenses required](#))

8 (including 1 Free License)

## Hyper Backup

Supports local backup, network backup, and data backup to other servers and public clouds, including C2 Storage

## Snapshot Replication

Maximum Snapshots per Shared Folder

256

Maximum Snapshots per LUN

64

Maximum Snapshots per System

4,096

Maximum Replication Tasks for Shared Folders

32

Maximum Replication Tasks for LUNs

16

Maximum Replication Tasks per System

32

## Synology High Availability

Reduces service downtime by combining two identical NAS into a high-availability cluster

## Synology Chat

Maximum Number of Users

150

## Synology Office

Maximum Number of Users

350

## Synology MailPlus / MailPlus Server

A secure, reliable, and private mail solution featuring high-availability, load balancing, security, and filtering options

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| Free Email Accounts     | 5 ( <a href="#">Additional accounts require purchase of licenses</a> ) |
| Maximum Number of Users | 420                                                                    |

## Surveillance Station

|                                          |                                                                                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Default Licenses                         | 2 ( <a href="#">Additional cameras require purchase of licenses</a> )                                                                                                                    |
| Maximum IP Cameras and Total FPS (H.264) | <ul style="list-style-type: none"><li>• 1080p: 40 channels, 1050 FPS</li><li>• 3M: 40 channels, 600 FPS</li><li>• 5M: 40 channels, 440 FPS</li><li>• 4K: 32 channels, 320 FPS</li></ul>  |
| Maximum IP Cameras and Total FPS (H.265) | <ul style="list-style-type: none"><li>• 1080p: 40 channels, 1200 FPS</li><li>• 3M: 40 channels, 1120 FPS</li><li>• 5M: 40 channels, 600 FPS</li><li>• 4K: 40 channels, 480 FPS</li></ul> |

## Central Management System

Provides a single interface to manage and monitor multiple Synology NAS

## VPN Server

|                     |   |
|---------------------|---|
| Maximum Connections | 8 |
|---------------------|---|

## Other packages

Additional 3rd-party packages are available in the Package Center

# Environment & Packaging

## Environment safety

RoHS Compliant

## Packaging Content

- Main Unit X 1
- Accessory Pack X 1
- AC Power Cord X 2

## Optional Accessories

- DDR4 ECC SODIMM: [D4ES04-4G/D4ES03-8G/D4ES03-16G](#)
- Expansion Units: [RX426](#)
- Enterprise Series 3.5" SATA HDD: [HAT5300 Series](#)
- Plus Series 3.5" SATA HDD: [HAT3300 Series](#)
- Enterprise Series 2.5" SATA SSD: [SAT5200 Series](#)
- Enterprise Series M.2 2280 NVMe SSD: [SNV3400 & SNV5400 Series](#)
- 25GbE Network Interface Card: [E25G30-F2](#)
- 10GbE Network Interface Card: [E10G30-F2/E10G30-T2/E10G30-T1](#)
- Rail Kit Sliding: [RKS-02](#)

### Notes

For multi-module memory configurations, all modules must be identical and share the same model number. Check the [Product Manual](#) of your Synology product for recommended memory configurations.

## Warranty

3-year hardware warranty, extendable to 5 years with [EW202](#) or [Extended Warranty Plus](#)

### Notes

- The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))
- [Extended Warranty Plus](#) is only available in Europe and North America. [EW201/EW202](#) is only available in Asia, Africa, and Oceania. For exact availability information please visit their respective websites.

SYNOLOGY INC. © 2026, Synology Inc. All rights reserved. Synology, the Synology logo are trademarks or registered trademarks of Synology Inc. Other product and company names mentioned herein may be trademarks of their respective companies. Synology may make changes to specification and product descriptions at anytime, without notice.