

Product Specifications

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# SA3410

Synology

# Hardware Specs

| CPU                        |                              |
|----------------------------|------------------------------|
| CPU Model                  | Intel Xeon D-1541            |
| CPU Quantity               | 1                            |
| CPU Cores                  | 8                            |
| CPU Threads                | 16                           |
| CPU Architecture           | 64-bit                       |
| CPU Frequency              | 2.1 (base) / 2.7 (turbo) GHz |
| Hardware Encryption Engine | v                            |

| Memory                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Memory               | 16 GB DDR4 ECC RDIMM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Memory Module Pre-installed | 16 GB (16 GB × 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Total Memory Slots          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum Memory Capacity     | 128 GB (32 GB × 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Notes                       | <ul style="list-style-type: none"> <li>Synology may revise pre-installed memory module specifications in response to component lifecycle and supply conditions. All revised components undergo the same rigorous validation to ensure equivalent compatibility, stability, and performance.</li> <li>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.</li> <li>For multi-module memory configurations, all modules must be identical and share the same model number. Check the <a href="#">Product Manual</a> of your Synology product for recommended memory configurations.</li> </ul> |

| Storage                                                 |                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drive Bays ( <a href="#">See all supported drives</a> ) | 12 × 3.5" SAS/SATA HDD or 2.5" SAS/SATA SSD                                                                                                                                                                                                                          |
| Maximum Drive Bays with Expansion Unit                  | 96 (RX1222sas × 7)                                                                                                                                                                                                                                                   |
| Hot Swappable Drive*                                    | v                                                                                                                                                                                                                                                                    |
| Notes                                                   | Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the <a href="#">compatibility list</a> . The use of non-validated components may limit certain functionality and result in data loss and system instability. |

## External Ports

|                                 |                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------|
| RJ-45 1GbE LAN Port             | 4                                                                                        |
| RJ-45 10GbE LAN Port            | 2                                                                                        |
| Out-of-Band Management LAN Port | 1                                                                                        |
| Max. Number of LAN Ports        | 15                                                                                       |
| USB 3.2 Gen 1 Port              | 2                                                                                        |
| Expansion Port                  | 1                                                                                        |
| Expansion Port Type             | Mini-SAS HD                                                                              |
| Notes                           | This device's 1GbE LAN ports have a maximum transmission unit (MTU) size of 1,500 bytes. |

## PCIe

|                |                             |
|----------------|-----------------------------|
| PCIe Expansion | 2 × Gen3 ×8 slots (x8 link) |
|----------------|-----------------------------|

## Appearance

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Form Factor (RU)              | 2U                                                            |
| Size (Height × Width × Depth) | 88 mm × 482 mm × 724 mm                                       |
| Weight                        | 14.5 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 × 4 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Fan Speed Mode              | <ul style="list-style-type: none"> <li>• Full-Speed Mode</li> <li>• Cool Mode</li> <li>• Quiet Mode</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     |
| Easy Replacement System Fan | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power Recovery              | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Noise Level                 | 49.8 dB(A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Scheduled Power On / Off    | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wake on LAN / WAN           | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power Supply Unit / Adapter | 550 watts                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Redundant Power Supply      | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| AC Input Power Voltage      | 100V to 240V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Power Frequency             | 50/60 Hz, Single Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Power Consumption           | 136.15 watts (Access)<br>58.48 watts (HDD Hibernation)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| British Thermal Unit        | 464.56 BTU/hr (Access)<br>199.54 BTU/hr (HDD Hibernation)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Notes                       | <ul style="list-style-type: none"> <li>• For more information on how power consumption is measured, refer to <a href="#">this article</a>.</li> <li>• Noise testing was conducted with the Synology system fully installed with Synology SATA SSDs and in an idle state. Two G.R.A.S. type 40AE microphones were placed at a 1 m distance from the front and rear of the device. Background noise: 16.49-17.51 dB(A); Temperature: 24.25-25.75°C; Humidity: 58.2-61.8%.</li> </ul> |

## 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 |
|------------------|--------------|

## Certification

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

## Warranty

5 Years

|       |                                                                                                                      |
|-------|----------------------------------------------------------------------------------------------------------------------|
| Notes | The warranty period starts from the purchase date as stated on your purchase receipt. ( <a href="#">Learn more</a> ) |
|-------|----------------------------------------------------------------------------------------------------------------------|

## Environment

RoHS Compliant

## Packaging Content

- Main Unit × 1
- Accessory Pack × 1
- AC Power Cord × 2
- Quick Installation Guide × 1

## Optional Accessories

- DDR4 ECC RDIMM: [D4ER01-16G/D4ER02-32G](#)
- Expansion Units: [RX1222sas](#)
- Enterprise Series 3.5" SAS HDD: [HAS5300 Series](#)
- Enterprise Series 3.5" SATA HDD: [HAT5300 Series](#)
- Enterprise Series 2.5" SATA SSD: [SAT5200 Series](#)
- M.2 SSD & 10GbE Combo Adapter Card: [E10M20-T1](#)
- M.2 SSD Adapter Card: [M2D20](#)
- 25GbE Network Interface Card: [E25G30-F2](#)
- 10GbE Network Interface Card: [E10G30-F2/E10G30-T2/E10G18-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.

# Software Specs

## DSM Specifications

### Storage Management

|                                                                    |                                                                                                                                                                                |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Single Volume Size                                         | <ul style="list-style-type: none"><li>• 1 PB (64 GB memory required, for RAID 6 groups only)</li><li>• 200 TB (32 GB memory required)</li><li>• 108 TB</li></ul>               |
| Maximum Internal Volume Number                                     | 256                                                                                                                                                                            |
| SSD Read/Write Cache<br>( <a href="#">Determining cache size</a> ) | v                                                                                                                                                                              |
| SSD TRIM                                                           | v                                                                                                                                                                              |
| Storage Efficiency                                                 | v                                                                                                                                                                              |
| RAID Group                                                         | v                                                                                                                                                                              |
| Supported RAID Type                                                | <ul style="list-style-type: none"><li>• RAID F1</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> |
| RAID Migration                                                     | <ul style="list-style-type: none"><li>• Basic to RAID 1</li><li>• Basic to RAID 5</li><li>• RAID 1 to RAID 5</li><li>• RAID 5 to RAID 6</li></ul>                              |
| Volume Expansion with Larger HDDs                                  | <ul style="list-style-type: none"><li>• RAID F1</li><li>• RAID 1</li><li>• RAID 5</li><li>• RAID 6</li><li>• RAID 10</li></ul>                                                 |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Volume Expansion by Adding a HDD     | <ul style="list-style-type: none"> <li>• RAID F1</li> <li>• JBOD</li> <li>• RAID 5</li> <li>• RAID 6</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Global Hot Spare Supported RAID Type | <ul style="list-style-type: none"> <li>• RAID F1</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>• Certain conditions are required to support a 1 PB volume. Please refer to <a href="#">this article</a> for more information.</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> <li>• Storage efficiency helps reduce storage space consumption through deduplication and compression. For more information about this feature and its support requirements, please refer to <a href="#">this article</a>.</li> </ul> |

## File System

|                 |                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internal Drives | <ul style="list-style-type: none"> <li>• Btrfs</li> <li>• ext4</li> </ul>                                                                                   |
| External Drives | <ul style="list-style-type: none"> <li>• Btrfs</li> <li>• ext4</li> <li>• ext3</li> <li>• FAT32</li> <li>• NTFS</li> <li>• HFS+</li> <li>• exFAT</li> </ul> |

## File Services

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| File Protocol                                  | <ul style="list-style-type: none"><li>• SMB</li><li>• AFP</li><li>• NFS</li><li>• FTP</li><li>• WebDAV</li><li>• Rsync</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Maximum Number of SMB Connections (FSCT-Based) | 1,900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Windows Access Control List (ACL) Integration  | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NFS Kerberos Authentication                    | v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Notes                                          | <ul style="list-style-type: none"><li>• Connection value of this model is tested with Synology SATA SSD fully populated and up to four 10GbE network ports</li><li>• Models with expandable memory are tested with the maximum supported quantity installed.</li><li>• SMB performance was evaluated using Microsoft File Server Capacity Tool (FSCT) version 1.3, with the following configuration:<ul style="list-style-type: none"><li>◦ Test workload: HomeFolder scenario provided by the FSCT tool</li><li>◦ Test duration: 600 seconds</li><li>◦ Domain controller &amp; FSCT controller: Windows Server 2022</li><li>◦ FSCT clients: 8 × Windows 10 machines</li><li>◦ SMB feature: Directory leasing enabled</li></ul></li></ul> |

### Account & Shared Folder

|                                  |       |
|----------------------------------|-------|
| Maximum Local User Accounts      | 5,120 |
| Maximum Local Groups             | 512   |
| Maximum Shared Folder            | 512   |
| Maximum Shared Folder Sync Tasks | 32    |

### Hybrid Share

|                              |    |
|------------------------------|----|
| Maximum Hybrid Share Folders | 15 |
|------------------------------|----|

### Hyper Backup

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Folder and Package Backup | v                                             |
| Entire System Backup      | v                                             |
| Notes                     | Full-system backup requires DSM 7.2 or later. |

### High Availability

|                            |   |
|----------------------------|---|
| Synology High Availability | v |
|----------------------------|---|

### Log Center

|                          |       |
|--------------------------|-------|
| Syslog Events per Second | 3,000 |
|--------------------------|-------|

| 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 |
| Microsoft Hyper-V | Windows Server 2025, Windows Server 2022                                                                                                                                              |
| Citrix XenServer  | XenServer 8, Citrix Hypervisor 8.2 LTSR CU1                                                                                                                                           |
| OpenStack         | Cinder                                                                                                                                                                                |

| General Specifications |                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported Protocols    | SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, Fibre Channel, 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> .                                                                                     |

Add-on Packages [view the complete package list](#)

| Central Management System |
|---------------------------|
| v                         |

## Synology AI Console

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Third-Party AI Model Integration | v                                                                                                                                                                                                                                                                                                                                                     |
| Maximum De-Identification Rate   | 1,900 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 Chat

|                         |                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Number of Users | 500                                                                                                                                                                                                                                                                                                         |
| Notes                   | <ul style="list-style-type: none"><li>Measured with simulated users, each with an average record of 20,000 messages, emojis, or stickers. The required server response time is below ten seconds.</li><li>Models with expandable memory are tested with the maximum supported quantity installed.</li></ul> |

## Download Station

|                                   |    |
|-----------------------------------|----|
| Maximum Concurrent Download Tasks | 80 |
|-----------------------------------|----|

### SAN Manager

|                                 |     |
|---------------------------------|-----|
| Maximum iSCSI Target Number     | 128 |
| Maximum LUN                     | 256 |
| LUN Clone/Snapshot, Windows ODX | v   |

### Synology MailPlus / MailPlus Server

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Free Email Accounts     | 5 ( <a href="#">Additional accounts require purchase of licenses</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Maximum Number of Users | 4,100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Notes                   | <ul style="list-style-type: none"><li>• The suggested maximum number of users is based on the following workload: 20% of users with a 20,000 item mailbox randomly performing actions and receiving 240 emails per day, and 80% of users receiving 20 emails per day. <a href="#">Learn more</a></li><li>• Models with SSD support are tested with a single SSD volume.</li><li>• Models with expandable memory are tested with the maximum supported quantity installed. <a href="#">Learn more about memory requirements.</a></li><li>• Operating in high-availability mode will incur additional overhead.</li><li>• Features enabled during evaluation: anti-spam, anti-virus, DNSBL, greylist, content scanning, and full-text search (English).</li></ul> |

### Media Server

|                 |   |
|-----------------|---|
| DLNA Compliance | v |
|-----------------|---|

## Synology Photos

|                    |   |
|--------------------|---|
| Facial Recognition | v |
| Object Recognition | v |

## Snapshot Replication

|                                              |        |
|----------------------------------------------|--------|
| Maximum Snapshots per Shared Folder          | 512    |
| Maximum Snapshots per LUN                    | 128    |
| Maximum Snapshots per System                 | 16,384 |
| Maximum Replication Tasks for Shared Folders | 64     |
| Maximum Replication Tasks for LUNs           | 32     |
| Maximum Replication Tasks per System         | 64     |

## 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: 160 channels, 2800 FPS</li><li>• 3M: 160 channels, 1600 FPS</li><li>• 5M: 120 channels, 1200 FPS</li><li>• 4K: 80 channels, 800 FPS</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum IP Cameras and Total FPS (H.265) | <ul style="list-style-type: none"><li>• 1080p: 200 channels, 6000 FPS</li><li>• 3M: 160 channels, 2800 FPS</li><li>• 5M: 160 channels, 1600 FPS</li><li>• 4K: 120 channels, 1200 FPS</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Notes                                    | <ul style="list-style-type: none"><li>• Performance figures are obtained from testing conducted with the device fully populated with drives, with their default memory configuration, and under a continuous recording setup. Actual system capabilities may vary based on configuration, drive performance, enabled features, and the presence of additional workloads.</li><li>• Use <a href="#">NVR Selector</a> to quickly find a suitable model based on your requirements.</li><li>• The number of video channels that can be viewed simultaneously is double the maximum number of cameras for the same codec and resolution.</li><li>• The values above are based on testing with RTSP streaming. If SRTP is enabled for all cameras, overall performance will decrease to 70% of the stated figures.</li><li>• Surveillance Station 9.1.3 or above is required to support the maximum IP cameras and FPS figures listed.</li></ul> |

## Synology Drive

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Number of Users        | 3,500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Maximum Number of Hosted Files | 25,000,000 (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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Notes                          | <ul style="list-style-type: none"><li>• The suggested maximum number of users is based on the following workload: 20% of users randomly perform file operations (upload, download, move, and delete), and 80% of users are logged in but idle. <a href="#">Learn more</a></li><li>• Models with SSD support are tested with a single SSD volume.</li><li>• Models with expandable memory are tested with the maximum supported quantity installed.</li><li>• Exceeding the recommended numbers above will not block application operations, but may result in longer response time.</li><li>• Btrfs file system and non-encrypted shared folders were used during the aforementioned testing.</li></ul> |

## Synology Office

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Number of Users | 3,400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Notes                   | <ul style="list-style-type: none"><li>• The suggested maximum number of users is based on the following workload: 20% of users are executing random actions at an average of 30-second intervals, and 80% of users are logged in and viewing a file. <a href="#">Learn more</a></li><li>• Models with SSD support are tested with a single SSD volume.</li><li>• Models with expandable memory are tested with the maximum supported quantity installed.</li><li>• Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM</li></ul> |

### Virtual Machine Manager

|                                                                      |                                                                            |
|----------------------------------------------------------------------|----------------------------------------------------------------------------|
| Recommended Virtual Machine Instances                                | 16 ( <a href="#">Learn more</a> )                                          |
| Recommended Virtual DSM Number ( <a href="#">Licenses required</a> ) | 16 (including 1 Free License)                                              |
| Notes                                                                | The specifications vary depending on system configuration and memory size. |

### VPN Server

|                     |    |
|---------------------|----|
| Maximum Connections | 32 |
|---------------------|----|