

Product Specifications



# UC3200

Synology

# Hardware Specs

## Controller

Number of Controller Module	2
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## CPU

CPU Model	Intel Xeon D-1521
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CPU Quantity	1 (per controller)
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CPU Core	4
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CPU Architecture	64-bit
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CPU Frequency	2.4 (base) / 2.7 (turbo) GHz
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Hardware Encryption Engine	v
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Memory	
System Memory	8 GB DDR4 ECC UDIMM (per controller)
Memory Module Pre-installed	8 GB (8 GB x 1) (per controller)
Total Memory Slots	4 (per controller)
Maximum Memory Capacity	64 GB (16 GB x 4) (per controller)
Notes	<ul style="list-style-type: none"> <li>• Synology reserves the right to replace memory modules with the same or higher frequency based on supplier's product life cycle status. Rest assured that the compatibility and stability have been strictly verified with the same benchmark to ensure identical 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> </ul>

Storage	
Drive Bays	12
Maximum Drive Bays with Expansion Unit	36 (RXD1219sas x 2)
Compatible Drive Type* ( <a href="#">See all supported drives</a> )	<ul style="list-style-type: none"> <li>• 2.5" dual-port SAS SSD</li> <li>• 2.5" dual-port SAS HDD</li> <li>• 3.5" dual-port SAS HDD</li> </ul>
Hot Swappable Drive*	v
Notes	<ul style="list-style-type: none"> <li>• 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.</li> <li>• "Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay.</li> </ul>

External Ports	
RJ-45 1GbE LAN Port	2 (with Link Aggregation / Failover support) (per controller)
RJ-45 10GbE LAN Port	1 (per controller)

PCIe	
PCIe Expansion	1 x Gen3 x8 slot (x8 link) (per controller)
Add-In-Card Support	<ul style="list-style-type: none"> <li>• 10GbE NIC</li> <li>• 25GbE NIC</li> <li>• FC HBA</li> </ul>

## File System

Internal Drives

Btrfs

## Appearance

Size (Height x Width x Depth)

88 mm x 430.5 mm x 692 mm

Size (Height x Width x Depth)  
(with server ears)

88 mm x 482 mm x 724 mm

Weight

19.7 kg

Rack Installation Support\*

4-post 19" rack (Synology Rail Kit - [RKS-02](#))

Notes

The rail kit is sold separately

Others	
System Fan	60 mm x 60 mm x 2 (per controller)
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*	51.3 dB(A)
Power Supply Unit / Adapter	500W
Redundant Power Supply	v
AC Input Power Voltage	100 V to 240 V AC
Power Frequency	50/60Hz, Single Phase
Power Consumption*	417.48 W (Access)
British Thermal Unit	1425.45 BTU/hr (Access)
Notes	<ul style="list-style-type: none"> <li>• Power consumption is measured when it is fully loaded with Seagate ST3600057SS hard drive(s).</li> <li>• Noise Level Testing Environment: Fully loaded with Seagate ST8000NM0075 hard drive(s) in the idle state. Two G.R.A.S. Type 40AE microphones, each set up 1 meter away from the Synology server at the front and rear. 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)
Relative Humidity	5% to 95% RH

## Certification

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

## Warranty

5 Years

### Notes

The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))

## Environment

RoHS Compliant

## Packaging Content

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

## Optional Accessories

- DDR4 ECC UDIMM: [D4EC-2666-8G/D4EC-2666-16G](#)
- Expansion Units: [RXD1219sas](#)
- Enterprise Series 3.5" SAS HDD: [HAS5300 Series](#)
- 25GbE Network Interface Card: [E25G30-F2](#)
- 10GbE Network Interface Card: [E10G30-F2/E10G30-T2/E10G18-T1](#)
- Rail Kit Sliding: [RKS-02](#)

### Notes

All memory modules will operate at the maximum frequency specified by the CPU manufacturer.

# Software Specs

## DSM UC 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
Maximum iSCSI Target Number	128
Maximum LUN	128
Advanced LUN (Clone/Snapshot) Support	v
Maximum Number of Snapshots per Advanced LUN	256
SSD Read/Write Cache (Determining cache size)	v
SSD TRIM	v
RAID Group	v
Supported RAID Type	<ul style="list-style-type: none"><li>• Basic</li><li>• JBOD</li><li>• RAID F1</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></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>• JBOD</li> <li>• RAID F1</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	Volumes over 108 TB require DSM UC 3.1.3-23076 or above and 32 GB of memory or more.

#### Account & Shared Folder

Maximum Local User Accounts

65

#### 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 2022, Windows Server 2019, Windows Server 2016

Citrix XenServer

XenServer 7

OpenStack

Cinder

## Snapshot Replication

Maximum Number of Replication

32

Maximum of System Snapshots

4,096

## General Specifications

Networking Protocols

- iSCSI
- Telnet
- SSH
- SNMP
- Fibre Channel

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