Last Jan 15, 2024

Product

UC3400

Hardware Specs

Controller

Number of Controller Module	2

CPU

CPU Model	Intel Xeon D-1541
CPU Quantity	1 (per controller)
CPU Architecture	64-bit
CPU Frequency	8-core 2.1 (base) / 2.7 (turbo) GHz
Hardware Encryption Engine (AES-NI)	v

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	- 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. - 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	12
Maximum Drive Bays with Expansion Unit	36 (RXD1219sas x 2)
Compatible Drive Type* (See all supported drives)	2.5" dual-port SAS SSD 3.5" dual-port SAS HDD
Hot Swappable Drive*	v
Notes	- Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability. "Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay.

External Ports

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)

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	• Full-Speed Mode • Cool Mode • Quiet Mode
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	239.25 W (Access)
British Thermal Unit	816.35 BTU/hr (Access)
Notes	• Noise Level Testing Environment: Fully loaded with Synology HAS5300-8T hard drive(s) in the idle state. Two G.R.A.S. Type 40AE microphones, each set up 1 meter away from the Synology NAS at the front and rear. Background noise: 16.49-17.51 dB(A); Temperature: 24.25-25.75°C; Humidity: 58.2-61.8% • Power consumption is measured when it is fully loaded with Synology 12TB HAS5300-12T hard drive(s).

Temperature

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

Certification

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

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: E10G21-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	• 200 TB (32 GB memory required) • 108 TB
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 (White Paper)	v
SSD TRIM	v
RAID Group	v
Supported RAID Type	• RAID F1 • Basic • JBOD • RAID 0 • RAID 1 • RAID 5 • RAID 6 • RAID 10
RAID Migration	• Basic to RAID 1 • Basic to RAID 5 • RAID 1 to RAID 5

Volume Expansion with Larger HDDs	- RAID F1 - RAID 1 - RAID 5 - RAID 6 - RAID 10
Volume Expansion by Adding a HDD	- JBOD - RAID F1 - RAID 5 - RAID 6
Global Hot Spare Supported RAID Type	- RAID F1 - RAID 1 - RAID 5 - RAID 6 - RAID 10
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 ESXi 6.5 and VAAI	v
Windows Server 2022	v
Citrix Ready	v
OpenStack	v

Snapshot Replication

Maximum Number of Replication	64
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