UC3400

Brand: Synology

Product Code: UC3400

Availability: 10 **Weight:** 19.70kg

Dimensions: 88.00mm x 430.50mm x

692.00mm

Call for Price:



Short Description

Synology 12-Bay Active-Active Dual Controller SAN UC3400 (Diskless)

Description

Non-disruptive block storage services



Ensure interruption-free iSCSI and FC services



High Performance

Over 180,000 4K Random Write IOPS, and up to 576 TB of storage



Virtualization-ready

Full support for mainstream virtualization systems

Reliability and High Availability

Active-active dual controllers work simultaneously to ensure zero downtime in the event of a controller failure while the non-transparent bridge (NTB) enables inter-domain communication to maximize the protection of in-flight data.

Active-Active SAN with enterprise-class performance

Designed for mission-critical environments, UC3400 is a high-availability SAN solution supporting Fibre Channel (FC) and iSCSI protocols. With over 180,000 4K random write IOPS, ¹ it supports a wide range of demanding workloads.

Virtualization-ready

Full certification for VMware, vSphere, Microsoft Hyper-V, Citrix XenServer, and OpenStack environments

Support for Windows Offloaded Data Transfer (ODX), VMware vSphere Storage APIs Array Integration (VAAI), and ALUA ensure optimized and efficient storage operations

OpenStack® Cinder support enables UC3400 to become a block-based storage component.









Flexible network options

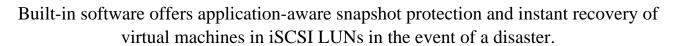
Boost network from 10GbE and dual 1GbE RJ-45 ports to 10/25 Gb Ethernet cards or 16 Gb Fibre channel host bus adapters on each controller.



Built-in data protection and security

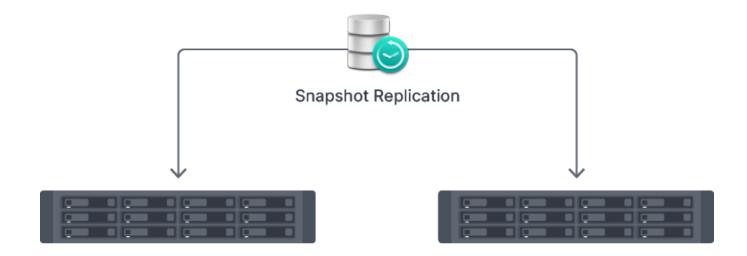
Maximize service uptime for critical services and enhance data security with snapshot protection and self-encrypting drive support in UC3400.

Snapshot Replication



Self-encrypting drive support

Native support for self-encrypting drives (SEDs) provide hardware-level encryption for mission-critical and sensitive data at rest.



Storage expansion

Simple capacity expansion of up to 576 TB of raw storage is available with two Synology RXD1219sas Expansion Units.



UC3400 + RXD1219sas

Software

DSM UC Specifications

Storage Management Maximum Single Volume
Size

• 200 TB (32 GB memory required)

• 108 TB

Maximum Internal Volume 32

Number

Maximum iSCSI Target 128

Number

Maximum LUN 128

Advanced LUN

(Clone/Snapshot) Support

Maximum Number of 256

Snapshots per Advanced

LUN

SSD Read/Write

Cache (Determining cache

size)

SSD TRIM

	RAID Group Supported RAID Type	 Basic JBOD RAID F1 RAID 0 RAID 1 RAID 5 RAID 6 RAID 10
	RAID Migration	Basic to RAID 1Basic to RAID 5RAID 1 to RAID 5
	Volume Expansion with Larger HDDs	 RAID 1 to RAID 3 RAID 11 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 VAA Windows Server 2022 Citrix Ready OpenStack	J
Snapshot Replication	Maximum Number of Replication 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, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ????, ????

Specification

Specification		
NAS		
CPU Model	Intel Xeon D-1541	
CPU Quantity	1 (per controller)	
CPU Core	8	
CPU Architecture	64-bit	
CPU Frequency	2.1 (base) / 2.7 (turbo) GHz	
Hardware Encryption	Yes	
Engine		
Memory	8 GB DDR4 ECC UDIMM (per controller)	
Drive Bays	12	
Compatible Drive Type	2.5" dual-port SAS SSD 3.5" dual-port SAS HDD	
Hot Swappable Drive	Yes	
RJ-45 1GbE LAN Port	2 (with Link Aggregation / Failover support) (per controller)	
System Fan	60 mm x 60 mm x 2 (per controller)	
Power Supply Unit /	500W	
Adapter		
Total Memory Slots	4 (per controller)	
Maximum Memory	64 GB (16 GB x 4) (per controller)	
Capacity		
PCIe Expansion	1 x Gen3 x8 slot (x8 link) (per controller)	
Redundant Power Supply	Yes	
RJ-45 10GbE LAN Port	1 (per controller)	

Product Gallery