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

Dual Controller Module

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.
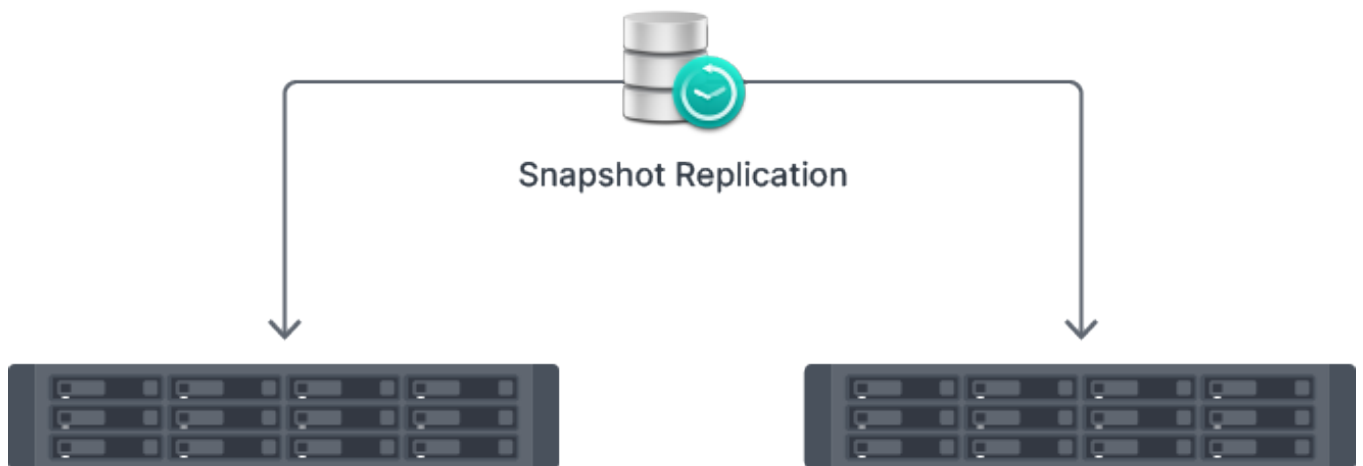
Built-in data protection and security

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

Snapshot Replication

Built-in software offers application-aware snapshot protection and instant recovery of virtual machines in iSCSI LUNs in the event of a disaster.

Self-encrypting drive support

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

Snapshot Replication

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 Number	32
	Maximum iSCSI Target Number	128
	Maximum LUN Advanced LUN (Clone/Snapshot) Support	128
	Maximum Number of Snapshots per Advanced LUN	256
	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 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 Windows Server 2022 Citrix Ready OpenStack	
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, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ????, ????

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 Engine	Yes
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 / Adapter	500W
Total Memory Slots	4 (per controller)
Maximum Memory Capacity	64 GB (16 GB x 4) (per controller)
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