

XCubeNAS

XN8012S

QSAN



Ultra-high Performance and Virtualization Ready

The Industry' 2U hybrid NAS with Intel®Xeon® 64-bit Quad-Core processor provides native auto-tiering storage capability to fulfill the maximum performance and high-capacity demand for enterprises. With up to 128GB memory capacity, It is a perfect solution to the applications of surveillance, backup and for disaster recovery in SMB which can reduce capital expenditure and achieve maximum efficiency at the same time.

Product Features

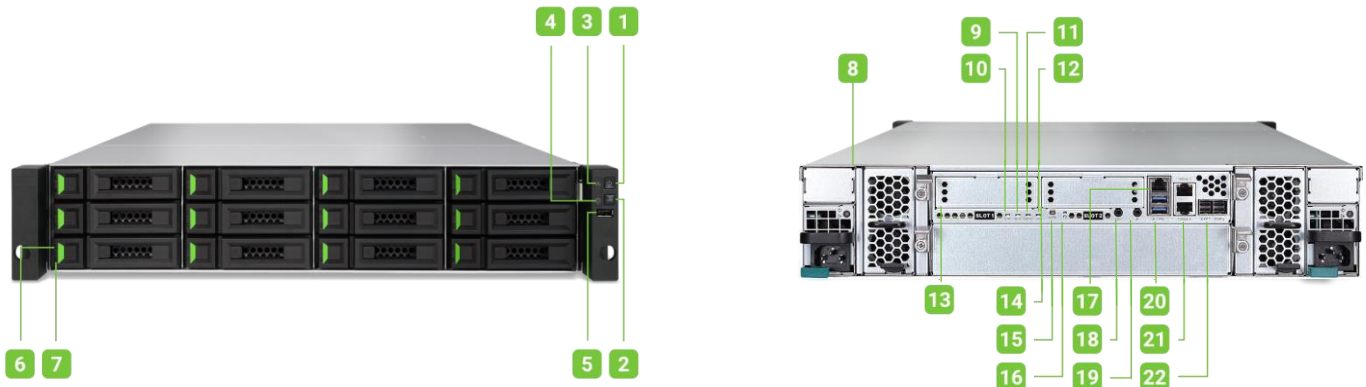
- With High performance and expansion by using 12Gb/s SAS technology, maximum capacity up to 7.5PB.
- Unified Storage - Integrated storage system supports block and file storage simultaneously and following protocols, iSCSI, CIFS, NFS, FTP, and AFP.
- Universal and Efficient Data Backup - XMirror supports permission backup , disaster recovery and flexible protection between multiple NAS devices.
- KVM Built-in Hypervisor Manager : enabling user to create and manage virtual machines that run directly on the XCubeNAS and host multiple virtualized environments without the additional hardware investment.
- Comprehensive Data Security - Pool Military level encryption with AES-256, Write Once Read Many (WORM) , Self-Encrypting Drive (SED).
- Thin Provision - Precision Restore and dynamically Space.
- Advanced Enterprise Storage Technology - Auto-Tiering, Inline Compression, Deduplication and Thin Provision.

Application areas

- IT Industry : File storage services, cloud storage services, near-line backup systems, secondary backup storage devices, disaster recovery solutions, virtualize host and storage devices.
- Government : Diskless workstation system, urban security monitoring system, agenda recording and playback system, digital file storage (digital collection), remote data backup center, cloud storage service, virtualized storage device.
- Education : Administrative system storage device, host and storage device virtualization, network storage service, security monitoring system, digital teaching system, library management system, computer classroom diskless workstation.
- Media Industry : Non-linear editing system, audio-visual editing system, online editing storage system, media database storage management, video on-demand system, content on-demand delivery system, wedding studio photo/video storage system.
- Finance & Insurance : Telemarketing recording system, policy image storage device, data storage system , Near-Line backup system, host virtualization application, development system storage device.
- Telecommunications industry : Online music play system, security monitoring system, customer service recording system, network storage service, Near-Line backup system, virtualization of host and storage devices.

Product Spec of XN8012S

Appearance



1. Enclosure Power Button / LED	7. Disk Drive Status LED	13. Host Card Slot 1 (host card is an optional part)	19. Service Port
2. UID (Unique Identifier) Button / LED	8. Power Supply Unit – PSU Indicator and Beep Off Button	14. Host Card Slot 2 (host card is an optional part)	20. USB Port
3. Enclosure Access LED	9. Controller Status LED	15. Buzzer Mute Button	21. 10GbE LAN Port
4. Enclosure Status LED	10. Master / Slave LED (only for dual controllers)	16. Reset to Factory Default Button	22. 12Gb/s SAS Wide Port
5. USB Port	11. Dirty Cache LED	17. Management Port	
6. Disk Drive Power LED	12. UID (Unique Identifier) LED	18. Console Port	

Hardware Specifications

Architecture	All-in-one
CPU	
Processor	Intel®Xeon® 64-bit Quad-Core (8-core processor models are also available)
Memory	
System Flash	8GB SATA DOM
Memory Module Pre-installed	8GB DDR4 U-DIMM
Total Memory Slots	4
Memory Expandable up to	128 GB
Storage	
Drive Bays	3.5" Slot x 12
Maximum Drive Bays with Expansion Unit	420
Compatible Drive Type	3.5" SAS HDD, 3.5" SATA HDD 2.5" SATA SSD, 2.5" SATA HDD, 2.5" SAS HDD, 2.5" SAS SSD (* 6Gb MUX board needed for 2.5" SATA drives in dual controller system)
Drive Interface	SAS 12Gb/s
Maximum Internal Raw Capacity	240TB
Maximum Raw Capacity with Expansion Units	8,400TB
Hot Swappable Drive	Yes
External Port	
USB 2.0 Port	1 (Front)
USB 3.0 Port	-
Others	UPS Port x 1, Console Port x 1
Connectivity Port	
1GbE RJ45 LAN Port	1 (Onboard Management Port)
10GbE RJ45 LAN Port	2 (Onboard) / 2 iSCSI (Option: HQ-10G2T)
10GbE SFP+ LAN Port	4 iSCSI (Option: HQ-10G4S2)
16Gb SFP+ Fibre Channel	4 (Option: HQ-16F4S2) / 2 (Option: HQ-16F2S2)
25GbE SFP28 LAN Port	2 iSCSI (Option: RHCE25P2)

Appearance	
Dimension (H x W x D) (mm)	88.5 x 438 x 510
Chassis Form Factor	19" Rackmount 2U 12 Bay
Net Weight (kg)	13.5
Gross Weight (kg)	14.9
Others	
System Fan	60mm x 60mm x 3 pcs
Replaceable System Fan	yes
Power Recovery	yes
Scheduled Power On/Off	yes
Wake on LAN/WAN	yes
Power Supply Unit / Adapter	250W x2
Redundant Power Supply	Yes
AC Input Power Voltage	100V-240V
Power Frequency	50-60 Hz, Single Phase
Power Consumption	407W
British Thermal Unit	1,388BTU
LCM Support	yes
Environment Temperature	
Operating Temperature	0 to 40°C
Storage Temperature	-10°C to 50°C
Operating Relative Humidity	20% to 80% non-condensing
Non-operating Relative Humidity	10% to 90%
Certification	
	CE
Warranty	
Standard Warranty	3 years