XCubeNAS
XN5008R

QSAN

The Perfect NAS Solution for SMB Market

QSAN Carrying Intel® Celeron® dual-core processor, providing a powerful multifunction data processing center for enterprises with maximum sequential write performance of up to 3,758MB/s and 4K IOPS 213,000 . Also using 12Gb/s SAS technology, with a large amount of storage space and high performance at the same time, suitable for a wide range of storage applications for small and medium-sized enterprises, excellent CP values let you pain-free upgrade storage equipment.
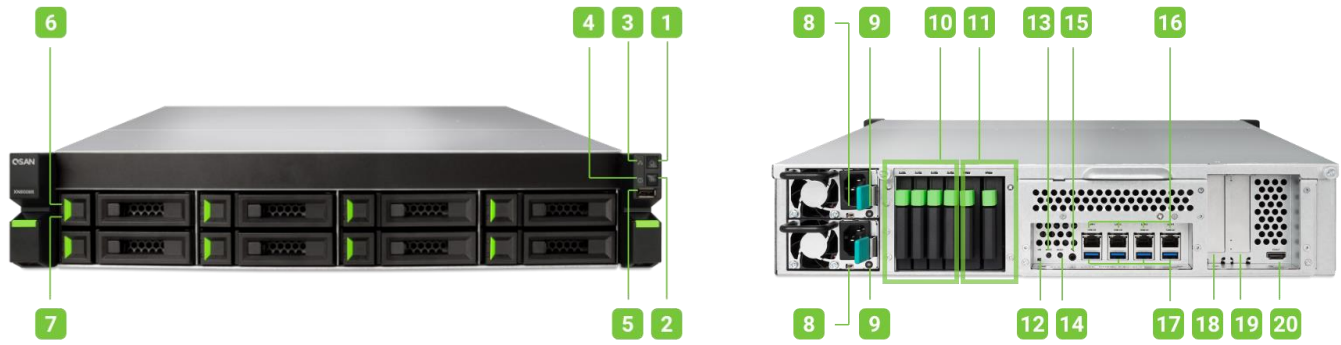
Product Features

- Innovative N+6 Hybrid Storage Capacity, support U.2 NVMe SSD.
- Unified Storage - Integrated storage system supports block and file storage simultaneously and following protocols, iSCSI, CIFS, NFS, FTP, WebDAV, and AFP.
- Comprehensive Data Security - Pool Military level encryption with AES-256, Write Once Read Many (WORM) , Self-Encrypting Drive (SED).
- Universal and Efficient Data Backup - XMirror supports permission backup , disaster recovery and flexible protection between multiple NAS devices.
- Advanced Enterprise Storage Technology - Auto-Tiering, Inline Compression, Deduplication.
- QSAN XCubeNAS is full VM supported : VMware, VEEAM, Citrix certification through virtualization certification standards and compatible with Microsoft Hyper-V environment.
- Video editing storage : High-speed 40GB ThunderboltTM3, supports cross platforms between Windows and Mac.
- With High performance and expansion by using 12Gb/s technology, maximum space up to 3.5PB.

Application areas

- IT Industry : File storage services, cloud storage services, nearline backup systems, secondary backup storage devices, disaster recovery solutions, virtualization of host and storage devices.
- Government : Disk free 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 devic.
- Education : Administrative system storage device, host and storage device virtualization, network storage service, security monitoring system, digital teaching system, library management system, computer classroom disk free 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 photo studio storage system.
- Finance & Insurance : Telephone marketing 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 XN5008T

Apperance

1. Power Button/LED Indicator for Power Status	2. Unique Identifier (UID) Button/LED Indicator	3. System Access LED Indicator	4. System Status LED Indicator
5. USB 2.0 Port	6. Disk Drive Power LED Indicator	7. Disk Drive Status LED Indicator	8. Power Supply Unit Power Port
9. Power Supply Unit PSU Indicator and Beep Off Button	10. SATA SSD Slot	11. NVMe SSD Slot	12. Unique Identifier (UID) LED Indicator
13. Mute Button	14. Reset Button	15. Console Port	16. Gigabit LAN Port
17. USB 3.0 Port	18. Additional PCIe Slot for Expansion (Gen3 x 8)	19. Additional PCIe Slot for Expansion (Gen3 x 4)	20. HDMI Port

Hardware Spec

Architecture	All-in-one
CPU	
Processor	Intel® Celeron®64-bit Dual-Core 2.9GHz
Memory	
System Flash	8GB USB DOM
Memory Module Pre-installed	8GB DDR4 U-DIMM
Total Memory Slots	4
Memory Expandable up to	64GB
Storage	
Drive Bays	3.5" Slot x 8, 2.5″ slot x 6
Maximum Drive Bays with Expansion Unit	422
Compatible Drive Type	3.5 ″ SATA HDD,2.5" SATA HDD, 2.5" SATA SSD
Drive Interface	SATA 6Gb/s (backward compatible with SATA 3Gb/s)
Maximum Internal Raw Capacity	344TB
Maximum Raw Capacity with Expansion Units	8,504TB
Hot Swappable Drive	yes
External Port	
USB 2.0 Port	1(Front)
USB 3.0 Port	4 (Rear)
HDMI Port	1
Other	Console port x 1
LAN Port	
1GbE RJ45 LAN Port	4 (Onboard)
10GbE RJ45 LAN Port	2 (Option: THBE10R2)
10GbE SFP+ LAN Port	2 (Option: XN-E1002)
Thunderbolt 3	2 (Option: XN-TB302)
PCIe Expansion	
Gen3x8 Slot	1
Gen3x4 Slot	1

Appearance	
Dimension (H x W x D) (mm)	88.5 x 438 x 510
Chassis Form Factor	19" Rackmount 2U 8+6 Bay
Net Weight (kg)	12.7
Gross Weight (kg)	14.1

Others	
System Fan	60mm x 60mm x 3 pcs, 40mm x 40mm x 1 pcs
Power Recovery	yes
Scheduled Power On/Off	yes
Wake on LAN/WAN	yes
Power Supply Unit / Adapter	250W x2
AC Input Power Voltage	100V-240V
Power Frequency	50-60 Hz, Single Phase
Power Consumption	263 W (Access) 122 W (HDD Hibernation)
British Thermal Unit	895 BTU/hr (Access) 417 BTU/hr (HDD Hibernation)
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	
認證標章	CE / EAC / SASO / RCM / VCCI / BSMI / FCC

Warranty	
Standard Warranty	3 years