



The Perfect NAS Solution for SMB Market

The QSAN XCubeNAS 5004R is powered by Intel® Celeron® 2.9GHz dual-core processor. It provides complete and versatile data processing services for SMBs. The innovative 4+2 Hybrid storage capacity provides a more flexible storage solution. An optional 12Gb/s SAS expansion card can be added to greatly expand the scalability, maximum supporting 214 disks, making the maximum available space up to 3.2PB. Unified storage supports both file storage and iSCSI, making it the best choice for multi-media data processing in SMBs.

Product Features

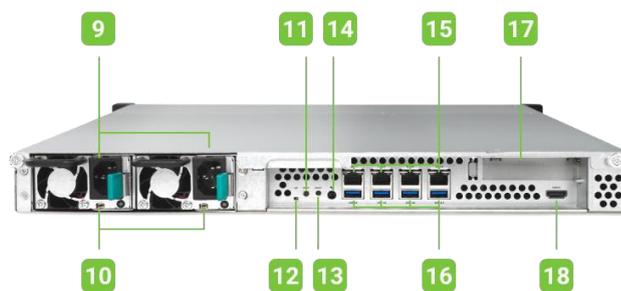
- Innovative N+E(4+2) Hybrid Storage Capacity, support SATA SSD.
- Unified Storage - Integrated storage system supports block and file storage simultaneously and following protocols, iSCSI, CIFS, NFS, FTP, WebDAV, and AFP.
- Comprehensive Data Security - Pool Military level encryption with AES-256, Write 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.
- High Expandability & Scalability: Support High speed 10GbE adaptor card, and SAS 12Gb expansion card.

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 XN5004R

Appearance



- | | | | |
|---|---|---|------------------------------------|
| 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. SATA SSD Slot | 7. Disk Drive Status LED Indicator | 8. Disk Drive Status LED Indicator |
| 9. Power Supply Unit – Power Port | 10. Power Supply Unit PSU Indicator and Beep Off Button | 11. Unique Identifier (UID) LED Indicator | 12. Mute Button |
| 13. Reset Button | 14. Console Port | 15. Gigabit LAN Port | 16. USB 3.0 Port |
| 17. Additional PCIe Slot for Expansion (Gen3 x 8) | 18. HDMI Port | | |

Hardware Specifications

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	64 GB
Storage	
Drive Bays	3.5" Slot x 4 · 2.5" Slot x 2
Maximum Drive Bays with Expansion Unit	414
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	96TB
Maximum Raw Capacity with Expansion Units	8,256TB
Hot Swappable Drive	Support
External Port	
USB 2.0 Port	1 (Front)
USB 3.0 Port	4 (Rear)
HDMI Port	1
Others	Console Port x1
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)
Expansion Port	
12Gb/s SAS Wide Port	2 (Option: XN-S1202)
PCIe Expansion	
Gen3x8 Slot	1
Appearance	

Dimension (H x W x D) (mm)	88.5 x 438 x 510
Chassis Form Factor	19 Rackmount 1U 4+2 Bay
Net Weight (kg)	-
Gross Weight (kg)	-
Others	
System Fan	40mm x 40mm x 3 pcs
Replaceable System Fan	support
Power Recovery	support
Scheduled Power On/Off	support
Wake on LAN/WAN	support
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	107W (Access), 83 W (HDD Hibernation)
British Thermal Unit	364 BTU/hr (Access), 284 BTU/hr (HDD Hibernation)
LCM Support	support
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	
Certifications	CE / EAC / SASO / RCM / VCCI / BSMI / FCC
Warranty	
Standard Warranty	3 years