

XCubeNAS

XN3004R

QSAN



The Perfect NAS Solution for SMB Market

QSAN XCubeNAS 3004R is equipped with Intel® 64 bit dual-core processor, providing enterprises with powerful multi-function data processing center. The additional PCIe expansion slot can support 10 GbE, which can meet your needs for storage space and high-frequency operation. A variety of storage applications, excellent cost-performance ratio allows you to upgrade your storage device painlessly.

Product Features

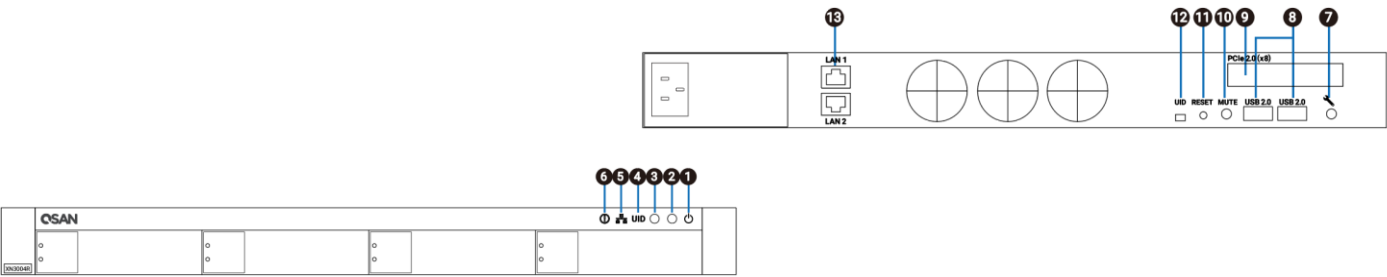
- Unified Storage - Integrated storage system supports block and file storage simultaneously and following protocols, iSCSI, CIFS, NFS, FTP, WebDAV, and AFP.
- Comprehensive Data Security - Pool Military level encryption with AES-256, Write Once Read Many (WORM) , Self-Encrypting Drive (SED).
- Universal 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.
- 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.

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 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 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 XN3004R

Appearance



1. System Power Icon	2. System Power Button/LED	3. Unique Identifier (UID) Icon	4. Unique Identifier (UID) Button/LED
5. System Access LED	6. System Status LED	7. Console Port	8. USB 2.0
9. PCIe Gen2x8 slot	10. Mute Button	11. Reset Button	12. Unit Identification (UID) LED
13. 1GbE LAN			

Hardware Spec

Architecture	All-in-one
CPU	
Processor	Intel® 64-bit Dual-Core
Memory	
System Flash	8GB USB DOM
Memory Module Pre-installed	4GB DDR3L SO-DIMM
Total Memory Slots	1
Memory Expandable up to	8GB
Storage	
Drive Bays	3.5" Slot x 4
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	64TB
Hot Swappable Drive	yes
External Port	
USB 2.0 Port	2 (Rear)
HDMI Port	0
Others	Console port x 1
{0}GbE RJ45 LAN Port	
1GbE RJ45 LAN Port	2 (Onboard)
PCIe Expansion	
Gen2x8 Slot	1

Appearance	
Dimension (H x W x D) (mm)	44 x 438 x 370
Chassis Form Factor	12" Rackmount 1U 4
Net Weight (kg)	5.97
Gross Weight (kg)	9.9
Others	
System Fan	40mm x 40mm, 2 pcs
Power Recovery	No
Scheduled Power On/Off	No
Wake on LAN/WAN	No
Power Supply Unit / Adapter	200W Flex ATX
AC Input Power Voltage	100V-240V
Power Frequency	50-60 Hz, Single Phase
Power Consumption	
British Thermal Unit	
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

QSM Specifications

Operating System	64bit embedded Linux
Unified Storage Server	NAS application server / iSCSI storage
File Server	File sharing across Windows/Mac/Linux/UNIX and centralized management
FTP Server	Supports data access from remote location via FTP / Bandwidth Control / Connection control / FTP with SSL/ TLS (explicit) mode / FXP supported / Passive FTP port range control
Backup Server	Snapshot and Replication Block-Level Snapshot and Replication / Schedule Snapshot / Snapshot retention policy / Xmirror / Time machine Public Cloud backup: Alibaba Cloud OSS, HiCloud S3, Amazon S3 and S3 compatible Public Cloud synchronization: Google Drive, Microsoft OneDrive, Dropbox
Web Server	Built-in phpMyAdmin
SQL Server	MariaDB database server
VPN Server	Supports OpenVPN, PPTP and IPsec+L2TP
Connection	IPv4, IPv6 and DDNS domain name registration (QSAN Cloud) / UPNP / Auto port forwarding
Networking	VLAN / Link aggregation (support 11 bonding modes) / Multi-IP settings / Gigabit Jumbo Frame
File System	ZFS file system / EXT2 / EXT3 / EXT4 / FAT / NTFS / HFS
Supported Operating Systems	Windows / Mac OS X / Linux (2.6 or later) and UNIX
Storage Management	RAID 0, 1, 5, 6, Z3, 10 Global and Dedicated spare disk Disk management / Disk S.M.A.R.T check / Instant RAID / RAID Fast Rebuild Pool application mode: General, Media Streaming, and Database Multi-pool and volume management / Storage capacity management / Pool and Volume thread hole notification Online Pool expansion and migration / Online volume expansion / Build in iSCSI initiator and Target / External storage device management Virtual Volume Pool Encryption / Support Disk cache / Data Scrubbing / Data Scrubbing / Virtual Volume / SSD Read and Write cache / Snapshot (folder and LUN) / Compression (volume and LUN) / Thin Provision for LUN / Self-encryption Drive (SED)

User Management	Local / domain user and group management / Local / domain application privilege / User quota for local and domain user
	Home folder / Windows AD and LDAP support
Folder Management	Advanced ACL / Windows ACL / Hide shared folder on Windows network / WORM (Write Once Read Many protection) / Unicode support / Folder usage threshold notification / Folder quota
System Tool	SNMP / Antivirus / IP access control
	Real-time Resource (CPU, Memory, Storage, Pool, Process)/ HardwaService/ Network resource monitor
Power Management	UPS settings
System Optimization Settings	Service binding / User application mode / SSD Trim
Log	System log / System connection and data transfer log
File Manager	File Manager (Web UI)
Service	Data service: CIFS, AFP, NFS, FTP, WebDAV,Bonjour
User Management	Local / domain user and group management / Local / domain application privilege / User quota for local and domain user
Virtualization	Windows: Hyper-V, storage space, VMware: VMware 6.7 ready, VAAI, SRM, Citrix: Citrix 7.0 ready
Multi-Browser Support	Internet Explorer / Safari / Firefox / Google Chrome
Utility	XFinder
Mobile App	Xccess (iOS, Android)