ALTOS XN8012R

ALTOS|QSAN XN8012R 2U Rackmount NAS is powerful and high efficiency NAS system which is designed for Enterprise applications for SMB and enterprise users, powered by Intel server level, Xeon CPU to provide abundant resources to meet computational requirements of wide variety of applications. Thru its enterprise level operating system, it provides efficiently applications, enterprise level storage solutions and extended bandwidth for comprehensive office environments. With additional 2 PCIe slots, it can support ultra-high speed data transmission, such as 10GbE (SFP+ and RJ45), SAS adapter card and Thunderbolt 3.

Innovative (N+6) Hybrid Storage Capacity

The innovative mechanical design makes ALTOS NAS a versatile hybrid storage device. Without affecting existing its twelve (12) bay large form factor(LFF) slots, this NAS adds extra 6 SFF form factor bays (4 x 2.5" SATA SSD + 2 x 2.5" PCI-E U.2 SSD) at the rear of the system, this way it can meet both the demand for larger capacity and better performance.

Leading Enterprise-level NAS Operating System

ALTOS NAS uses operating system which is based on Linux and 128-bit ZFS file system, this high stability file system not only inherits the amazing native features of ZFS, such as SSD caching data de-dupe and compression technology, but also adjusted with several bespoke optimization enhancements that make NAS XN8012R a high performance, efficient and superior network attached storage device.

100 licenses for PC back-up/recovery purpose, powered by Acronis

ALTOS NAS provides 100 licenses by default for Windows PC back-up/recovery purpose, powered by Acronis, market proven backup/recovery tool.
Client OS supported includes Windows 7, 8, 8.1 and 10 or higher version.

High Expandability & Scalability

Through its 2x PCIe expansion slot, it offers the flexibility for the users to boost up the network speed by adding Thunderbolt 3.0, 10G (SFP+/RJ45) and SAS modules options, it could instantly and effectively respond to different application demands.

Altos XN8012R SPECIFICATION

CPU	Processor type	Intel® Xeon E3-1225v6 3.3Ghz Quad-core Processor
	Number of processors	1
On-board Devices	LAN	4 x 1GbE RJ45
Memory	Memory (Default)	8GB (Option to upgrade to max 64GB)
	Memory slot	4 DIMM slots
	Memory type	DDR4 2400 U-UDIMM
	Flash	8GB USB DOM
Software	File System	ZFS
	Services	CIFS/SMB, NFS, FTP(s)/SFTP, WebDAV(s), SSH, iSCSI, Rsync, AFP, DDNS
	Virtual Volume Support	EXT2, EXT3 and EXT4, FAT and NTFS
	Supported OS	Windows, Mac OS X Linux (2.6 or later), UNIV
	Virtualization	Windows Hyper-V(Storage Space), VMWare 6.7 Ready, VAAI, SRM, Citrix 7.0 Ready
Data Security		● WORM (Write Once Read Many) ● Anti-Virus ● SED (Self Encrypting Drive) ● AES-256
I/O ports	Front I/O ports	1 x USB 2.0 port
	Rear I/O ports	● 4 x USB 3.0 ports ● 2 x Power plug ● 1 x HDMI ● 1 x Reset
Expansion Slot		PCIe Gen3.0 x8 (Option for Thunderbolt or SAS adapter card) PCIe Gen3.0 x 4 (Option for 10GbE adapter card)
Drive Bays	Storage bays	● 12Bay 3.5” & 2.5” SATA or SED HDD ● 4Bay 2.5” SATA HDD or SSD + 2Bay 2.5” PCIe U.2 SSD
	RAID	Single disk, RAID 0(Disk Stripping), RAID 1(Disk Mirroring), RAID 5, RAID 5 + Hot Spare, RAID 6, RAID 10, RAID 50, RAID 60, JBOD
Power supply		250W 1+1 Redundant Input: 100-240V AC, 5A-2.5A, 50-60Hz Output: +12V DC 20A, +5V SB DC, 2A
System cooling		Redundant Fan 1+1 Module
Form factor	Form factor	Rackmount
	Dimensions (D x W x H)	515 x 438 x 88 (mm)
Regulatory Compliance		FCC, CE, BSMI(Safety), CB(MET)

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About Altos

Altos Computing Inc. (abbr. Altos) is established in 2017 and it is a subsidiary of Acer Inc. The business model of Altos is to provide the best streamlined and cost-effective integrated solutions thru in-house R&D working with ODM/IHV/ISV on servers, workstations, thin client, network and storage. In the era of demanding speed, Altos provides leading solution included, but not limited to High Performance Computing, Virtual Desktop Infrastructure, Cloud Infrastructure and Software Defined Storage, etc.
Altos provides solutions and services to government, academia, cloud service providers, datacenter operators and enterprises