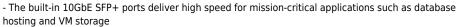
## QNAP

## QNAP TS-1232XU NAS Rack (2U) Ethernet LAN Aluminium, Black Alpine AL-324

**Brand : QNAP Product code: TS-1232XU-4G-US** 

Product name: TS-1232XU



- One PCle 2.0  $\times$ 2 slot ( $\times$ 4 length) is available for adding a 10GbE port and/or M.2 SSD slots. With SSDs installed, Qtier auto tiering can be enabled to optimize storage utilization
- Snapshots add an extra layer of protection to your disaster recovery plan, giving you the flexibility to create and revert snapshots locally and/or remotely
- The Hybrid Backup Sync app completes your backup strategies, allowing you to back up, restore and sync files locally and remotely
- QNAP's Virtual JBOD technology can be used to expand remote NAS capacity, ensuring all available space can be fully utilized
- The hot-swappable redundant power supply ensures high reliability and maximum system uptime Alpine AL-324 (1.7GHz), 4GB DDR4 (2400MHz), 10GbE





BitTorrent

Storage		Performance	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Type *	NAS
Storage drive sizes supported	2.5,3.5"	Device class *	Small & Medium Business
RAID support *	✓	Backup function *	✓
RAID levels	0, 1, 5+S, 5, 6, 6+HS, 10+HS, 10	Backup features	Cloud, iSCSI LUN
Online RAID migration	✓	Buzzer	✓
Online RAID expansion	✓	Number of users	4096 user(s)
RAID rebuild	✓	Noise level	24.5 dB
Hot-swap drive bays	✓	Third-party support	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Video input channels	8 channels
Storage drives installed *	×	Snapshot	✓
Number of storage drives supported	<sup>1</sup> 12	Management protocols	SNMP
*	14	Web-based management	✓
Supported storage drive types * Auto-rebuild	HDD & SSD ✓	Share folder access right management	✓
Bad block scan Disk roaming	1	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH
Processor	•	Access Control List (ACL)	✓
		Reset button	✓
Processor family *	Annapurna Labs	On/off switch	✓
Processor model *	Alpine AL-324	Built-in BitTorrent client	✓
Processor frequency *	1.7 GHz	Built-in iTunes server	✓
Processor cores	4	Built-in FTP server	✓
Processor architecture  Memory	ARM Cortex-A57	Browser supported	Apple Safari 7+, Google Chrome Microsoft Internet Explorer 10+, Mozilla Firefox
Internal memory type	DDR4	System log	✓
Memory clock speed	2400 MHz	Hot spare	,
Maximum RAM supported	16 GB	S.M.A.R.T. support	·
Memory slots	1x DIMM	Share folder	512
Internal memory *	4 GB	Universal Plug and Play (UPnP)	<b>√</b>
Flash memory	512 MB	Software	*
Network			ONAD Turks Custom
Ethernet LAN *	<b>√</b>	Operating system installed *	QNAP Turbo System
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Operating system version	4.3.4
Ethernet LAN data rate supported	10000 Mbit/s		
(max)	_		
Wi-Fi	×		
DHCP client	✓		

Network		Software	
DHCP server Jumbo frames support iSCSI support Wake-on-LAN ready Link aggregation Dynamic DNS (DDNS) WLAN adapter supported	4 4 4 4 4 4 4	Windows operating systems supported	Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 Pro, Windows 10 Pro x64, Windows 10 X64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Starter, Windows 7 Starter, Windows 7 Ultimate x64, Windows 7 Ultimate x64, Windows 8, Windows 8 Enterprise,
Ports & interfaces			
USB port * USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity Fiber ports quantity Fiber optic connector Ethernet LAN (RJ-45) ports *	<ul><li>✓</li><li>4</li><li>2</li><li>SFP+</li><li>2</li></ul>		
Design			Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows
Chassis type * Cooling type *	Rack (2U) Active	Linux operating systems supported	8 x64
Product colour Number of fans	Aluminium, Black 2 fan(s)	Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Fan diameter LED indicators	7 cm HDD, LAN, Status	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
		Power	
		Power supply location Power supply unit (PSU) capacity Number of power supply units Power consumption (typical) Power consumption (sleep) AC input voltage Output voltage	Built-in 250 W 1 67.56 W 30.63 W 100 - 240 V 12 V
		Weight & dimensions	
		Width * Depth * Height * Weight Package weight	482 mm 534 mm 89 mm 9.83 kg 15.6 kg
		Packaging content	
		Cables included Quick installation guide Number of screws	AC, LAN (RJ-45) ✓ 84
		Operational conditions	
		Operating temperature (T-T) Operating relative humidity (H-H)	0 - 40 °C 5 - 95%

