

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



**Brand :** QNAP

**Product code:** TS-1232XU-RP-4G-US

**Product name :** TS-1232XU-RP

- The built-in 10GbE SFP+ ports deliver high speed for mission-critical applications such as database hosting and VM storage
  - One PCIe 2.0 x2 slot (x4 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



Storage		Performance	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Number of users	4096 user(s)
RAID support *	✓	Noise level	31.7 dB
RAID levels	0, 1, 5+S, 5, 6, 6+HS, 10+HS, 10	Third-party support	✓
Online RAID migration	✓	Video input channels	8 channels
Online RAID expansion	✓	Snapshot	✓
RAID rebuild	✓	Management protocols	SNMP
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Web-based management	✓
Storage drives installed *	✗	Share folder access right management	✓
Auto-rebuild	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH
Bad block scan	✓	Access Control List (ACL)	✓
Disk roaming	✓	Reset button	✓
Processor		On/off switch	✓
Processor family *	Annapurna Labs	Built-in BitTorrent client	✓
Processor model *	Alpine AL-324	Built-in iTunes server	✓
Processor cores	4	Built-in FTP server	✓
Memory		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
Flash memory	512 MB	Software	
Network		Operating system installed *	QNAP Turbo System
Ethernet LAN *	✓	Operating system version	4.3.4
Ethernet LAN data rates	10,100,1000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗		
DHCP client	✓		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Link aggregation	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓		

Ports & interfaces		Software	
USB port *	✓		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 Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 7 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4		
Fiber ports quantity	2		
Fiber optic connector	SFP+		
Ethernet LAN (RJ-45) ports *	2		
Design			
Chassis type *	Rack (2U)	Windows operating systems supported	
Cooling type *	Active		
Product colour	Aluminium, Black		
Number of fans	2 fan(s)		
Fan diameter	7 cm		
LED indicators	HDD, LAN, Status		
Performance			
Type *	NAS		
Device class *	Small & Medium Business		
Backup function *	✓	Linux operating systems supported	✓
Backup features	Cloud, iSCSI LUN	Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Buzzer	✓	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	Built-in
		Power supply unit (PSU) capacity	250 W
		Number of power supply units	2
		Redundant power supply (RPS) support	✓
		Power consumption (typical)	77.09 W
		Power consumption (sleep)	42.61 W
		AC input voltage	100 - 240 V
		Output voltage	12 V
		Weight & dimensions	
		Width *	482 mm
		Depth *	534 mm
		Height *	89 mm
		Weight	11.3 kg
		Package weight	17.3 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Quick installation guide	✓
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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