

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

- 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	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 *	12	Management protocols	SNMP
Supported storage drive types *	HDD & SSD	Web-based management	✓
Auto-rebuild	✓	Share folder access right management	✓
Bad block scan	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH
Disk roaming	✓	Access Control List (ACL)	✓
Processor		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	ARM Cortex-A57	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Memory		System log	✓
Internal memory type	DDR4	Hot spare	✓
Memory clock speed	2400 MHz	S.M.A.R.T. support	✓
Maximum RAM supported	16 GB	Share folder	512
Memory slots	1x DIMM	Universal Plug and Play (UPnP)	✓
Internal memory *	4 GB	Software	
Flash memory	512 MB	Operating system installed *	QNAP Turbo System
Network		Operating system version	4.3.4
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗		
DHCP client	✓		

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

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Publication date: 19-JAN-2024. Prints or copies of Information are only valid on the printed Publication date