



QNAP TS-832XU NAS Rack (2U) Ethernet LAN Black Alpine AL-324

Brand : QNAP

Product code: TS-832XU-4G-US

Product name : TS-832XU



- 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.
- QNAP offers versatile surveillance solutions that help secure your premises and add values to the TS-832XU.

Annapurna Labs Alpine AL-324 ARMv8 (1.7GHz), 4GB DDR4 (2400MHz), 10GbE



Storage		Performance	
Supported storage drive interfaces	Serial ATA	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, JBOD	Backup features	Cloud, iSCSI LUN
Online RAID migration	✓	Number of users	4096 user(s)
Online RAID expansion	✓	Noise level	41.3 dB
RAID rebuild	✓	Third-party support	✓
Hot-swap drive bays	✓	Snapshot	✓
Supported file systems	FAT32, HFS+, exFAT, ext3, ext4	Management protocols	SNMP
Storage drives installed *	✗	Web-based management	✓
Number of storage drives supported *	8	Share folder access right management	✓
Installed storage drive type *	✗	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH
Supported storage drive types *	HDD & SSD	Access Control List (ACL)	✓
Auto-rebuild	✓	Reset button	✓
Bad block scan	✓	On/off switch	✓
Disk roaming	✓	Built-in BitTorrent client	✓
Processor		Built-in iTunes server	✓
Processor family *	Annapurna Labs	Built-in FTP server	✓
Processor model *	Alpine AL-324	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Processor frequency *	1.7 GHz	System log	✓
Processor cores	4	Hot spare	✓
Processor architecture	ARM Cortex-A57	S.M.A.R.T. support	✓
Memory		Share folder	512
Internal memory type	DDR4	Universal Plug and Play (UPnP)	✓
Memory clock speed	2400 MHz	Software	
Maximum RAM supported	16 GB	Operating system installed *	QNAP Turbo System
Memory slots	1x DIMM	Operating system version	4.3.4
Internal memory *	4 GB	Network	
Flash memory	512 MB	Ethernet LAN *	✓
Network		Ethernet LAN data rates	10,100,1000,10000 Mbit/s
Ethernet LAN *	✓	Ethernet LAN data rate supported (max)	10000 Mbit/s
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Wi-Fi	✗
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗		

Network		Software	
DHCP client	✓		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 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 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Link aggregation	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓	Windows operating systems supported	
Ports & interfaces			
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	Linux operating systems supported	✓
Design		Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Chassis type *	Rack (2U)	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Cooling type *	Active		
Product colour	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)	52.78 W
		Power consumption (sleep)	24.72 W
		AC input voltage	100 - 240 V
		AC input frequency	50 - 60 Hz
		Fan voltage	12 V
		Weight & dimensions	
		Width *	482 mm
		Depth *	534 mm
		Height *	89 mm
		Weight	9.52 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Quick installation guide	✓
		Number of screws	56
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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