

## QNAP TS-832X NAS Tower Ethernet LAN Black Alpine AL-324



**Brand :** QNAP

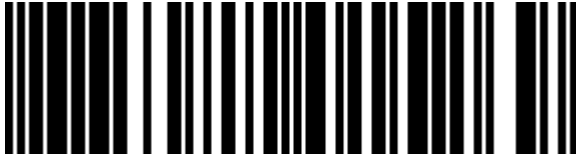
**Product code:** TS-832X-8G-US

**Product name :** TS-832X

- Dual 10GbE SFP+ ports for accelerating virtualization and massive file sharing
  - PCIe expandability allows for 10GbE adapters, QM2 cards, USB 3.1 10Gbps cards, or wireless network cards
  - Qtier™ technology and SSD caching enable 24/7 optimized storage efficiency
  - Snapshots fully record system status and data, allowing you to protect files and data from accidental deletion and malware attacks
  - Supports LXC and Docker® containers for rapidly deploying application services across platforms including the cloud, servers, and PCs
  - Secure private cloud supporting centralized storage, backup, sharing, disaster recovery, and storage capacity expansion
- AnnapurnaLabs, Alpine AL-324 (1.7GHz), 8GB DDR4 (2400MHz), 10GbE

Storage		Performance	
Supported storage drive interfaces	Serial ATA, 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+5, 5, 6, 6+HS, 10+HS, 10, JBOD	Backup features	Cloud, USB drive
Online RAID migration	✓	Buzzer	✓
Online RAID expansion	✓	Multilingual support	✓
RAID rebuild	✓	Number of users	4096 user(s)
Hot-swap drive bays	✓	Noise level	20.7 dB
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Third-party support	✓
Storage drives installed *	✗	Snapshot	✓
Number of storage drives supported *	8	Management protocols	SNMP
Installed storage drive type *	✗	Web-based management	✓
Supported storage drive types *	HDD & SSD	Share folder access right management	✓
Bad block scan	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH
Processor		Access Control List (ACL)	✓
Processor family *	Annapurna Labs	Reset button	✓
Processor model *	Alpine AL-324	On/off switch	✓
Processor frequency *	1.7 GHz	Built-in BitTorrent client	✓
Processor cores	4	Built-in iTunes server	✓
Processor architecture	ARM Cortex-A57	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 SODIMM	Share folder	512
Internal memory *	8 GB	Backup button	✓
Flash memory	512 MB	Universal Plug and Play (UPnP)	✓
Network		USB copy function	✓
Ethernet LAN *	✓	Software	
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Operating system installed *	QNAP Turbo System
Ethernet LAN data rate supported (max)	10000 Mbit/s	Operating system version	4.3.4
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, 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
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC	Windows operating systems supported	
Link aggregation	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓		
Ports & interfaces			
USB port *	✓		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3		
Fiber ports quantity	2		
Fiber optic connector	SFP+	Linux operating systems supported	✓
Ethernet LAN (RJ-45) ports *	2	Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
3.5 mm (1/8-inch) out	✓	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Design			
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Black		
Number of fans	3 fan(s)		
Fan diameter	12 cm		
Fan diameter 2	6 cm		
LED indicators	HDD, LAN, Power, SSD, Status, USB		
Cable lock slot	✓		
Cable lock slot type	Kensington		
Built-in speaker(s)	✓		
Number of built-in speakers	1		
		Power	
		Power supply location	Built-in
		Power supply unit (PSU) capacity	250 W
		Number of power supply units	1
		Power consumption (typical)	49.43 W
		Power consumption (HDD standby)	24.53 W
		AC input voltage	100 - 240 V
		AC input frequency	50 - 60 Hz
		Fan voltage	12 V
		Output current	3.5 A
		Weight & dimensions	
		Width *	329.3 mm
		Depth *	279.6 mm
		Height *	188.2 mm
		Weight	6.52 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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