



# QNAP TS-832PX NAS Tower Ethernet LAN Aluminium, Black AL324



Brand : QNAP

Product code: TS-832PX-4G/144TB-EXOS

Product name : TS-832PX

- Two 10GbE SFP+ and two 2.5GbE RJ45 network ports empower bandwidth-demanding tasks and accelerate file sharing
  - PCIe expansion allows for installing a QM2 card to add M.2 SSDs for caching, a 10/5GbE network card, or a wireless network expansion card
  - Snapshots record your system status, allowing you to protect files and data from accidental deletion and malware attacks
  - Cloud storage gateways realize hybrid cloud applications by working with the cache space reserved on NAS to ensure low-latency data access to the cloud
  - Qtier™ auto-tiering technology and SSD caching enable constant storage optimization
  - Increase the storage capacity of the TS-832PX with QNAP TR RAID expansion enclosures or TL JBOD
- AnnapurnaLabs Alpine AL324 (1.7GHz), 4GB DDR4 (2400MHz), 10GbE LAN

Storage		Design	
Storage drive interface *	Serial ATA III	LED indicators	HDD, LAN, Status, System, USB
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Cable lock slot	✓
Storage drive sizes supported	2.5,3.5"	Cable lock slot type	Kensington
RAID support *	✓	Performance	
RAID levels	0, 1, 5+S, 5, 6, 6+HS, 10+HS, 10, 50, 60, JBOD	Type *	NAS
Online RAID migration	✓	Device class *	Small & Medium Business
Online RAID expansion	✓	Backup function *	✓
RAID rebuild	✓	Backup features	Cloud, USB drive, iSCSI LUN
Hot-swap drive bays	✓	Buzzer	✓
Supported file systems	FAT32, HFS+, ext3, ext4	Noise level	19.6 dB
Storage drives installed *	✓	Third-party support	✓
Number of storage drives installed *	8	Snapshot	✓
Number of storage drives supported *	8	Management protocols	SNMP
Installed storage drive type *	HDD	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
Disk roaming	✓	Access Control List (ACL)	✓
Processor		Reset button	✓
Processor manufacturer *	Annapurna Labs	On/off switch	✓
Processor family *	Annapurna Labs	Built-in BitTorrent client	✓
Processor model *	AL324	Built-in FTP server	✓
Processor frequency *	1.7 GHz	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Processor cores	4	System log	✓
Processor architecture	ARM Cortex-A57	Hot spare	✓
Number of processors supported	1	S.M.A.R.T. support	✓
Memory		Remotely operated	✓
Internal memory type	DDR4	Backup button	✓
Memory clock speed	2400 MHz	Universal Plug and Play (UPnP)	✓
Maximum RAM supported	16 GB	USB copy function	✓
Memory slots	1	Software	
Internal memory *	4 GB	Operating system installed *	QNAP Turbo System
Memory form factor	SO-DIMM	Operating system version	4.4.2
Flash memory	512 MB		

Network		Software	
Ethernet LAN *	✓		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
Ethernet LAN data rates	10,100,1000,2500,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
DHCP client	✓		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓	Windows operating systems supported	
Link aggregation	✓		
Load balancing system	✓		
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	Linux operating systems supported	CentOS 7.0, Ubuntu 14.04
Fiber optic connector	SFP+		Mac OS X 10.0 Cheetah, Mac OS X 10.1 Puma, Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina
Ethernet LAN (RJ-45) ports *	2	Mac operating systems supported	
Design			
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Aluminium, Black		
Number of fans	3 fan(s)	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Fan diameter	12 cm		
Fan diameter 2	6 cm	Other operating systems supported	IBM AIX 7.1, IBM AIX 7.2, Solaris 10
Drive bay locking	✓		
		Power	
		Power supply location	Built-in
		Power supply unit (PSU) capacity	250 W
		Number of power supply units	1
		Power consumption (typical)	50.858 W
		Power consumption (sleep)	27.949 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 *	280.8 mm
		Height *	188.2 mm
		Weight	6.38 kg
		Package weight	8.61 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Number of screws	56
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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