



# QNAP TS-932PX-4G NAS Tower Ethernet LAN Black Alpine AL-324



Brand : QNAP

Product code: TS-932PX-4G/20TB-REDPRO

Product name : TS-932PX-4G

- Two 10GbE SFP+ and two 2.5GbE RJ45 network ports empower bandwidth-demanding tasks and accelerate file sharing
  - HBS provides comprehensive backup and data recovery; QuDedup deduplicates the data at the source to optimize storage and bandwidth usage, while reducing backup times
  - 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-932PX with QNAP TR RAID expansion enclosures or TL JBOD
- Alpine AL-324 1.7GHz, 4 GB DDR4, 512 MB, 5x 3.5, 4x 2.5", 2x 2.5G LAN, 2x 10G SFP+, 3x USB 3.2, 182.7x224.6x224.1 mm

Storage		Design	
Supported storage drive interfaces	Serial ATA III	Chassis type *	Tower
Storage drive sizes supported	2.5,3.5"	Cooling type *	Active
RAID support *	✓	Product colour	Black
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Number of fans	1 fan(s)
Online RAID migration	✓	Fan diameter	14 cm
Online RAID expansion	✓	LED indicators	HDD, LAN, SSD, Status, USB
RAID rebuild	✓	Cable lock slot	✓
Hot-swap drive bays	✓	Cable lock slot type	Kensington
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Performance	
Storage drives installed *	✓	Type *	NAS
Total installed storage capacity *	20 TB	Device class *	Small & Medium Business
Number of storage drives supported *	9	Backup function *	✓
Installed storage drive type *	HDD	Backup features	Cloud, iSCSI LUN
Supported storage drive types *	HDD & SSD	Buzzer	✓
Bad block scan	✓	Multilingual support	✓
Disk roaming	✓	Snapshot	✓
Processor		Web-based management	✓
Processor manufacturer *	Annapurna Labs	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv2, SNMPv3, SSH, SSL/TLS
Processor family *	Annapurna Labs	Access Control List (ACL)	✓
Processor model *	Alpine AL-324	Reset button	✓
Processor frequency *	1.7 GHz	On/off switch	✓
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	✓
Maximum RAM supported	16 GB	Hot spare	✓
Memory slots	1	S.M.A.R.T. support	✓
Internal memory *	4 GB	Share folder	CIFS/SMB
Memory form factor	SO-DIMM	USB copy function	✓
Flash memory	512 MB	Software	
Network		Operating system installed *	QNAP Turbo System
Ethernet LAN *	✓	Operating system version	4.4.2
Ethernet LAN data rates	100,1000,2500,10000 Mbit/s	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Ethernet LAN data rate supported (max)	10000 Mbit/s	Linux operating systems supported	✓
DHCP client	✓	Mac operating systems supported	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
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		

Network		Software	
Supported network protocols	FTP, SFTP, TFTP, ec, OpenVPN, QBelt	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Link aggregation	✓		
Load balancing system	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓		
Ports & interfaces		Power	
USB port *	✓	Power supply location	External
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3	Power supply unit (PSU) capacity	120 W
Fiber ports quantity	2	Number of power supply units	1
Fiber optic connector	SFP+	AC input voltage	100 - 240 V
Ethernet LAN (RJ-45) ports *	2	Fan voltage	12 V
		Weight & dimensions	
		Width *	224.6 mm
		Depth *	224.1 mm
		Height *	182.7 mm
		Packaging content	
		External power adapter	✓
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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