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

Brand : QNAP **Product code:** TS-932PX-4G/60TB-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	
Supported storage drive interfaces	Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	✓
Online RAID expansion	✓
RAID rebuild	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	60 TB
Number of storage drives supported *	9
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✓
Disk roaming	✓

Processor	
Processor manufacturer *	Annapurna Labs
Processor family *	Annapurna Labs
Processor model *	Alpine AL-324
Processor frequency *	1.7 GHz
Processor architecture	ARM Cortex-A57

Memory	
Internal memory type	DDR4
Maximum RAM supported	16 GB
Memory slots	1
Internal memory *	4 GB
Memory form factor	SO-DIMM
Flash memory	512 MB

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	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	✓

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	1 fan(s)
Fan diameter	14 cm
LED indicators	HDD, LAN, SSD, Status, USB
Cable lock slot	✓
Cable lock slot type	Kensington

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Snapshot	✓
Web-based management	✓
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv2, SNMPv3, SSH, SSL/TLS
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
System log	✓
Hot spare	✓
S.M.A.R.T. support	✓
Share folder	CIFS/SMB
USB copy function	✓

Software	
Operating system installed *	QNAP Turbo System
Operating system version	4.4.2
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✓
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

Network	
Supported network protocols	FTP, SFTP, TFTP, ec, OpenVPN, QBelt
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
Fiber optic connector	SFP+
Ethernet LAN (RJ-45) ports *	2

Software	
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019

Power	
Power supply location	External
Power supply unit (PSU) capacity	120 W
Number of power supply units	1
AC input voltage	100 - 240 V
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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Publication date: 25-MAR-2024. Prints or copies of Information are only valid on the printed Publication date