



# QNAP TS-832PXU-4G NAS Rack (2U) Ethernet LAN Aluminium, Black AL324



Brand : QNAP

Product code: TS-832PXU-4G/16TB-GOLD

Product name : TS-832PXU-4G

- Two 10GbE SFP+ and two 2.5GbE RJ45 network ports accelerate file sharing
  - HBS (Hybrid Backup Sync) backs up and syncs data to other NAS, servers and cloud storage for comprehensive disaster recovery planning
  - Boxafe provides an extra layer of protection by backing up emails, cloud drives, contacts, and calendars of Google™ G Suite and Microsoft 365®
  - Snapshots fully record system status and data, allowing you to protect files and data from accidental deletion and malware attacks
  - Expand the application potential of the TS-832PXU-RP by installing a compatible PCIe card
  - Increase the storage capacity of the TS-832PXU-RP with QNAP TR RAID expansion enclosures or TL JBOD
- AnnapurnaLabs Alpine AL324, ARM Cortex-A57, 2U, 4 GB UDIMM DDR4, 2x 10GbE SFP+, 4x USB 3.2 Gen 1

Storage		Design	
Storage drive capacity *	2 TB	Fan diameter	7 cm
Supported storage drive interfaces	Serial ATA II, Serial ATA III	LED indicators	HDD, LAN, Status
Storage drive sizes supported	2.5,3.5"	Performance	
RAID support *	✓	Type *	NAS
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Device class *	Small & Medium Business
Online RAID migration	✓	Backup function *	✓
Online RAID expansion	✓	Backup features	Cloud, iSCSI LUN
RAID rebuild	✓	Buzzer	✓
Hot-swap drive bays	✓	Noise level	24.9 dB
Supported file systems	FAT32, HFS+, HPFS, exFAT, ext3, ext4	Third-party support	✓
Storage drives installed *	✓	Snapshot	✓
Total installed storage capacity *	16 TB	Management protocols	SNMP
Number of storage drives installed *	8	Web-based management	✓
Number of storage drives supported *	8	Share folder access right management	✓
Installed storage drive type *	HDD	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH
Supported storage drive types *	HDD & SSD	Access Control List (ACL)	✓
Bad block scan	✓	Reset button	✓
Processor		On/off switch	✓
Processor manufacturer *	Annapurna Labs	Built-in BitTorrent client	✓
Processor family *	Annapurna Labs	Built-in UPnP AV media server	✓
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	✓
Memory		Hot spare	✓
Internal memory type	DDR4	Disk scan	✓
Maximum RAM supported	16 GB	S.M.A.R.T. support	✓
Memory slots	1	Universal Plug and Play (UPnP)	✓
Internal memory *	4 GB	Software	
Memory form factor	UDIMM	Operating system installed *	QNAP Turbo System
Flash memory	512 MB	Operating system version	4.4.3
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	100,1000,2500,10000 Mbit/s		
DHCP client	✓		

Network		Software	
DHCP server	✓		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
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Link aggregation	✓		
Load balancing system	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓		
<b>Ports &amp; interfaces</b>		Windows operating systems supported	
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		
<b>Design</b>		Linux operating systems supported	CentOS 7.0, Solaris 10 U4, Solaris 10 U5, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2
Chassis type *	Rack (2U)	Mac operating systems supported	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
Cooling type *	Active	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Product colour	Aluminium, Black		
Number of fans	2 fan(s)		
<b>Power</b>			
Power supply location		Built-in	
Power supply unit (PSU) capacity		250 W	
Number of power supply units		1	
Power consumption (typical)		56.412 W	
AC input voltage		100 - 240 V	
Fan voltage		12 V	
<b>Weight &amp; dimensions</b>			
Width *		482 mm	
Depth *		534 mm	
Height *		89 mm	
<b>Packaging content</b>			
Cables included		AC, LAN (RJ-45)	
Number of screws		56	
<b>Operational conditions</b>			
Operating temperature (T-T)		0 - 40 °C	
Operating relative humidity (H-H)		5 - 95%	
Storage temperature (T-T)		-20 - 70 °C	

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