



QNAP TS-432PXU-2G NAS Rack (1U) Annapurna Labs Alpine AL-324 2 GB DDR4 48 TB HDD Black

Brand : QNAP

Product code: TS-432PXU-2G/48TB-REDPLUS

Product name : TS-432PXU-2G



- 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-432PXU by installing a compatible PCIe card
- Increase the storage capacity of the TS-432PXU with QNAP TR RAID expansion enclosures or TL JBOD 4x 3.5", 2GB DDR3, Alpine AL324, 2.5G RJ-45, 10G SFP+, USB 3.2, 250W PSU, 44x439x499 mm

Storage		Design	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Chassis type *	Rack (1U)
Storage drive sizes supported	2.5,3.5"	Cooling type *	Active
RAID support *	✓	Product colour	Black
RAID levels	0, 1, 5, 6, 10, JBOD	Number of fans	2 fan(s)
Online RAID migration	✓	Fan diameter	4 cm
Online RAID expansion	✓	LED indicators	HDD, LAN, Status
RAID rebuild	✓	Performance	
Hot-swap drive bays	✓	Type *	NAS
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Device class *	Small & Medium Business
Storage drives installed *	✓	Backup function *	✓
Total installed storage capacity *	48 TB	Backup features	Cloud, iSCSI LUN
Number of storage drives installed *	4	Buzzer	✓
Number of storage drives supported *	4	Multilingual support	✓
Installed storage drive type *	HDD	Snapshot	✓
Supported storage drive types *	HDD & SSD	Web-based management	✓
Bad block scan	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Processor		Access Control List (ACL)	✓
Processor manufacturer *	Annapurna Labs	Reset button	✓
Processor family *	Annapurna Labs	On/off switch	✓
Processor model *	Alpine AL-324	Built-in FTP server	✓
Processor frequency *	1.7 GHz	Browser supported	Mozilla Firefox, Microsoft Internet Explorer 10+, Apple Safari 7+, Google Chrome
Processor cores	4	System log	✓
Memory		Hot spare	✓
Internal memory *	2 GB	S.M.A.R.T. support	✓
Internal memory type	DDR4	Share folder	CIFS/SMB
Maximum RAM supported	16 GB	Universal Plug and Play (UPnP)	✓
Memory slots	1	USB copy function	✓
Memory form factor	UDIMM	Software	
Flash memory	512 MB	Operating system version	4.4.3
Network		Windows operating systems supported	Windows 10, Windows 7, Windows 8
Ethernet LAN *	✓	Linux operating systems supported	✓
Ethernet LAN data rates	100,1000,2500,10000 Mbit/s	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
Ethernet LAN data rate supported (max)	10000 Mbit/s		
DHCP client	✓		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		

Network		Software	
Wake-on-LAN ready	✓	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Supported network protocols	PPTP, L2TP/IPSec, OpenVPN, QBelt		
Link aggregation	✓		
Load balancing system	✓		
WLAN adapter supported	✓		
Ports & interfaces		Power	
USB port *	✓	Power supply location	Built-in
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4	Power supply unit (PSU) capacity	250 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 *	439 mm
		Depth *	499 mm
		Height *	44 mm
		Weight	6.53 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Number of screws	28
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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