



QNAP TS-1232PXU-RP-4G NAS Rack (2U) Annapurna Labs AL324 4 GB DDR4 48 TB HDD QNAP Turbo System Black



Brand : QNAP

Product code: TS-1232PXU-RP-4G/48TB-GOLD

Product name : TS-1232PXU-RP-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-1232PXU-RP by installing a compatible PCIe card
 - Increase the storage capacity of the TS-1232PXU-RP with QNAP TR RAID expansion enclosures or TL JBOD
- 12x 3.5", 4GB DDR4, Alpine AL324, 2.5G RJ-45, 10G SFP+, USB 3.2, 2x 250W PSU, 89x482x534 mm

Storage		Design	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Cooling type *	Active
Storage drive sizes supported	2.5,3.5"	Product colour	Black
RAID support *	✓	Number of fans	2 fan(s)
RAID levels	0, 1, 5, 6, 10, JBOD	Fan diameter	7 cm
Online RAID migration	✓	LED indicators	HDD, LAN, Status
Online RAID expansion	✓	Performance	
RAID rebuild	✓	Type *	NAS
Hot-swap drive bays	✓	Device class *	Small & Medium Business
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Backup function *	✓
Storage drives installed *	✓	Backup features	Cloud, iSCSI LUN
Total installed storage capacity *	48 TB	Buzzer	✓
Number of storage drives installed *	12	Multilingual support	✓
Number of storage drives supported *	12	Noise level	32.2 dB
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 *	AL324	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 *	4 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 installed *	QNAP Turbo System
Network		Operating system version	4.4.3
Ethernet LAN *	✓	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Ethernet LAN data rates	100,1000,2500,10000 Mbit/s	Linux operating systems supported	✓
Ethernet LAN data rate supported (max)	10000 Mbit/s		
DHCP client	✓		
DHCP server	✓		
Jumbo frames support	✓		

Network		Software	
iSCSI support	✓	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
Wake-on-LAN ready	✓		
Supported network protocols	PPTP, L2TP/IPSec, OpenVPN, QBEt		
Link aggregation	✓		
Load balancing system	✓		
WLAN adapter supported	✓	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
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	2
Fiber optic connector	SFP+	Power consumption (typical)	83.57 W
Ethernet LAN (RJ-45) ports *	2	AC input voltage	100 - 240 V
		Fan voltage	12 V
Design		Weight & dimensions	
Chassis type *	Rack (2U)	Width *	482 mm
		Depth *	534 mm
		Height *	89 mm
		Weight	11.3 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Number of screws	84
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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