QNAP TS-1232PXU-RP-4G NAS Rack (2U) Annapurna Labs AL324 4 GB DDR4 72 TB HDD QNAP Turbo System Black

Brand : QNAP

Product code: TS-1232PXU-RP-4G/72TB-IWP

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	
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 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 *	72 TB
Number of storage drives installed *	12
Number of storage drives supported *	12
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✓

Processor	
Processor manufacturer *	Annapurna Labs
Processor family *	Annapurna Labs
Processor model *	AL324
Processor frequency *	1.7 GHz
Processor cores	4

Memory	
Internal memory *	4 GB
Internal memory type	DDR4
Maximum RAM supported	16 GB
Memory slots	1
Memory form factor	UDIMM
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	✓

Design	
Cooling type *	Active
Product colour	Black
Number of fans	2 fan(s)
Fan diameter	7 cm
LED indicators	HDD, LAN, Status

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Noise level	32.2 dB
Snapshot	✓
Web-based management	✓
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Mozilla Firefox, Microsoft Internet Explorer 10+, Apple Safari 7+, Google Chrome
System log	✓
Hot spare	✓
S.M.A.R.T. support	✓
Share folder	CIFS/SMB
Universal Plug and Play (UPnP)	✓
USB copy function	✓

Software	
Operating system installed *	QNAP Turbo System
Operating system version	4.4.3
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✓

Network	
iSCSI support	✓
Wake-on-LAN ready	✓
Supported network protocols	PPTP, L2TP/IPSec, OpenVPN, QBelt
Link aggregation	✓
Load balancing system	✓
WLAN adapter supported	✓

Ports & interfaces	
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

Design	
Chassis type *	Rack (2U)

Software	
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
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	Built-in
Power supply unit (PSU) capacity	250 W
Number of power supply units	2
Power consumption (typical)	83.57 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Weight & dimensions	
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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