



QNAP TS-1232XU-RP NAS Rack (2U) Annapurna Labs Alpine AL-324 4 GB DDR4 144 TB HDD QNAP Turbo System Black



Brand : QNAP

Product code: TS-1232XU-RP-4G-144TB-GLD

Product name : TS-1232XU-RP

2U, 12-Bay, Alpine AL-324, Quad-Core, 1.7GHz, 64-bit, 4 GB DDR4, 512MB DOM, 2.5", 3.5", SATA III, RJ-45, SFP+, USB 3.0, PCIe 2.0x2., 13kg, PSU ATX 250W, 144TB (WD Gold)

QNAP TS-1232XU-RP. Type: NAS. Chassis type: Rack (2U). Device class: Large Enterprise Business.

Processor family: Annapurna Labs, Processor model: Alpine AL-324, Processor frequency: 1.7 GHz.

Internal memory: 4 GB, Internal memory type: DDR4. Total installed storage capacity: 144 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System



Storage		Design	
Storage drive capacity *	12 TB	Fan diameter	7 cm
Storage drive interface *	Serial ATA III	Fan diameter 2	7 cm
Supported storage drive interfaces	Serial ATA III	LED indicators	HDD, LAN, Power, Status
Storage drive size	2.5/3.5"	Cable lock slot	✓
Storage drive sizes supported	2.5,3.5"	Cable lock slot type	Kensington
RAID support *	✓	Performance	
RAID levels	0, 1, 5, 6, 10, JBOD	Type *	NAS
Online RAID migration	✓	Device class *	Large Enterprise Business
Online RAID expansion	✓	Backup function *	✓
RAID rebuild	✓	Backup features	Cloud, iSCSI LUN
Hot-swap drive bays	✓	Buzzer	✓
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Noise level	31.7 dB
Storage drives installed *	✓	Snapshot	✓
Total installed storage capacity *	144 TB	Web-based management	✓
Number of storage drives installed *	12	Security algorithms	256-bit AES, HTTPS, SSH
Number of storage drives supported *	12	Access Control List (ACL)	✓
Installed storage drive type *	HDD	Reset button	✓
Supported storage drive types *	HDD & SSD	On/off switch	✓
Bad block scan	✓	Built-in iTunes server	✓
		Built-in FTP server	✓
Processor		Browser supported	Apple Safari 7, Google Chrome, Microsoft Internet Explorer 10, Mozilla Firefox
Processor family *	Annapurna Labs	System log	✓
Processor model *	Alpine AL-324	Hot spare	✓
Processor frequency *	1.7 GHz	Password authentication	✓
Processor cores	4	S.M.A.R.T. support	✓
Processor architecture	ARM Cortex-A57	Universal Plug and Play (UPnP)	✓
PCI Express configurations	2x2	Software	
PCI Express slots version	2.0	Operating system installed *	QNAP Turbo System
Processor operating modes	64-bit	Operating system version	4.3.4
Memory		Windows operating systems supported	Windows 10, Windows 7, Windows 8
Internal memory *	4 GB	Linux operating systems supported	✓
Internal memory type	DDR4	Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Maximum RAM supported	16 GB		
Memory slots	1		
Flash memory	512 MB		

Network		Software	
Ethernet LAN *	✓	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Ethernet LAN data rates	10,100,1000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗	Power	
DHCP client	✓	Power supply location	Built-in
DHCP server	✓	Power supply unit (PSU) capacity	250 W
Jumbo frames support	✓	Number of power supply units	2
iSCSI support	✓	Redundant power supply (RPS) support	✓
Wake-on-LAN ready	✓	AC input voltage	100 - 240 V
Dynamic DNS (DDNS)	✓	AC input frequency	50 - 60 Hz
Ports & interfaces		Fan voltage	12 V
USB port *	✓	Output current	3.5 A
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4	Weight & dimensions	
Fiber ports quantity	2	Width *	482 mm
Fiber optic connector	SFP+	Depth *	534 mm
Ethernet LAN (RJ-45) ports *	2	Height *	89 mm
Design		Weight	13 kg
Chassis type *	Rack (2U)	Packaging content	
Cooling type *	Active	Cables included	AC, LAN (RJ-45)
Product colour	Black	Quick installation guide	✓
Number of fans	2 fan(s)	Sustainability	
		Sustainability certificates	RoHS
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Other features	
		Compliance certificates	RoHS

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