QNAP TS-431P2 NAS Tower Annapurna Labs Alpine AL-314 1 GB DDR3 4 TB HDD QNAP Turbo System Cinzento, Branco

Marca : QNAP

Código do produto: TS-431P2-1G_WD40EFRX

Nome do produto : TS-431P2

4TB (1x 4TB Western Digital Red), Annapurna Labs AL-314 (1.7GHz), 1GB DDR3, Gigabit LAN
QNAP TS-431P2. Tipo: NAS. Tipo de chassis: Tower. Classe do dispositivo: Home & Home Office. Família de processador: Annapurna Labs, Modelo de processador: Alpine AL-314, Frequência do processador: 1,7 GHz. Capacidade da memória incorporada: 1 GB, Tipo de memória interna: DDR3. Capacidade total de armazenamento: 4 TB, Tipo de unidade de armazenamento instalada: HDD. Sistema operativo instalado: QNAP Turbo System

Storage	
Storage drive capacity *	4 TB
Storage drive interface *	Serial ATA III
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive size	3.5"
Storage drive sizes supported	2.5,3.5"
RAID support *	✔
RAID levels	0, 1, 5+S, 5, 6, 10, JBOD
Online RAID migration	✔
Online RAID expansion	✔
Hot-swap drive bays	✔
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4
Storage drives installed *	✔
Total installed storage capacity *	4 TB
Number of storage drives installed *	1
Number of storage drives supported *	4
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✔

Processor	
Processor family *	Annapurna Labs
Processor model *	Alpine AL-314
Processor frequency *	1.7 GHz
Processor cores	4
Processor architecture	ARM Cortex-A15

Memory	
Internal memory *	1 GB
Internal memory type	DDR3
Memory clock speed	1600 MHz
Maximum RAM supported	8 GB
Memory slots	1
Memory form factor	SO-DIMM
Flash memory	512 MB

Design	
LED indicators	HDD, LAN, Status, USB
Cable lock slot	✔

Performance	
Type *	NAS
Device class *	Home & Home Office
Backup function *	✔
Backup features	Cloud, USB drive, iSCSI LUN
Buzzer	✔
Multilingual support	✔
Number of users	4096 user(s)
Noise level	19.5 dB
Snapshot	✔
Management protocols	SNMP
Web-based management	✔
Share folder access right management	✔
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Access Control List (ACL)	✔
Reset button	✔
On/off switch	✔
Built-in iTunes server	✔
Built-in FTP server	✔
Browser supported	Microsoft Internet Explorer 10+, Mozilla Firefox 8+, Apple Safari 4+, Google Chrome
System log	✔
Hot spare	✔
S.M.A.R.T. support	✔
Share folder	512
Backup button	✔
USB copy function	✔

Software	
Operating system installed *	QNAP Turbo System
Operating system version	4.3

Network	
Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Wi-Fi	✘
DHCP client	✔
DHCP server	✔
Jumbo frames support	✔
iSCSI support	✔
Wake-on-LAN ready	✔
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC
Link aggregation	✔
Dynamic DNS (DDNS)	✔
WLAN adapter supported	✔

Ports & interfaces	
USB port *	✘
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
Ethernet LAN (RJ-45) ports *	2

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Grey, White
Number of fans	1 fan(s)
Fan diameter	12 cm

Software	
Windows operating systems supported	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 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Linux operating systems supported	✔
Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016

Power	
Power supply location	External
Power supply unit (PSU) capacity	90 W
Number of power supply units	1
Power consumption (typical)	23.72 W
Power consumption (sleep)	10.62 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Weight & dimensions	
Width *	160 mm
Depth *	219 mm
Height *	169 mm
Weight	3 kg
Package weight	4.3 kg

Packaging content	
External power adapter	✔
Cables included	AC, LAN (RJ-45)
Quick installation guide	✔

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%

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