QNAP TS-431P2 NAS Tower Ethernet LAN Grey, White Alpine AL-314

Brand : QNAP

Product code: TS-431P2-4G-US

Product name : TS-431P2

- Quad-core 1.7GHz processor with up to 8 GB memory
- Supports Qfiling automated file organization and Qsirch full-text search engine
- Full NAS encryption using volume-based technology and hardware acceleration
- Rapidly develop and deploy IoT applications with Container Station and QIoT Suite Lite
- Supports QmailAgent as a mailroom center and Qcontactz for centralizing contact information
- Stream your multimedia library via DLNA®, AirPlay® and Chromecast™
- Build a surveillance center to safeguard your home and office

Annapurna Labs AL-314 (1.7GHz), 4GB DDR3, Gigabit LAN

Storage	
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 *	✗
Number of storage drives supported *	4
Installed storage drive type *	✗
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 type	DDR3
Memory clock speed	1600 MHz
Maximum RAM supported	8 GB
Memory slots	1x SODIMM
Internal memory *	4 GB
Flash memory	512 MB

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	✓

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	
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
LED indicators	HDD, LAN, Status, USB
Cable lock slot	✓

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%

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 19-JAN-2024. Prints or copies of Information are only valid on the printed Publication date