QNAP TS-431XeU NAS Rack (1U) Ethernet LAN Aluminium, Black Alpine AL-314

Brand : QNAP

Product code: TS-431XEU-2G-US

Product name : TS-431XeU

AnnapurnaLabs Alpine AL-314 (1.7GHz), 2GB DDR3 (1600MHz), 10GbE LAN
QNAP TS-431XeU. Supported storage drive types: HDD & SSD, Supported storage drive interfaces: Serial ATA III, Storage drive sizes supported: 2.5,3.5". Processor family: Annapurna Labs, Processor model: Alpine AL-314, Processor frequency: 1.7 GHz. Internal memory: 2 GB, Internal memory type: DDR3, Memory clock speed: 1600 MHz. Ethernet LAN data rates: 10,100,1000 Mbit/s, Ethernet LAN data rate supported (max): 10000 Mbit/s, Supported network protocols: CIFS/SMB, AFP v3.3, NFS v3, FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC. Fiber optic connector: SFP+

Storage	
Supported storage drive interfaces	Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5+HS, 5, 6, 10, JBOD
Online RAID migration	✓
Online RAID expansion	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4
Storage drives installed *	✓
Number of storage drives supported *	4
Installed storage drive type *	✗
Supported storage drive types *	HDD & SSD
Bad block scan	✓
Disk roaming	✓

Processor	
Processor family *	Annapurna Labs
Processor model *	Alpine AL-314
Processor frequency *	1.7 GHz
Processor cores	4

Memory	
Internal memory type	DDR3
Memory clock speed	1600 MHz
Maximum RAM supported	8 GB
Memory slots	1x SODIMM
Internal memory *	2 GB
Flash memory	512 MB

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Ethernet LAN data rate supported (max)	10000 Mbit/s
Wi-Fi	✗
DHCP client	✓
DHCP server	✓

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Number of users	4096 user(s)
Noise level	20.3 dB
Third-party support	✓
Snapshot	✓
Management protocols	SNMP
Web-based management	✓
Share folder access right management	✓
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Reset button	✓
On/off switch	✓
Built-in iTunes server	✓
Built-in FTP server	✓
Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
System log	✓
Hot spare	✓
S.M.A.R.T. support	✓
Share folder	512
Universal Plug and Play (UPnP)	✓

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

Network	
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, and SMSC
Link aggregation	✓
Dynamic DNS (DDNS)	✓

Ports & interfaces	
USB port *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
Fiber ports quantity	1
Fiber optic connector	SFP+
Ethernet LAN (RJ-45) ports *	2

Design	
Chassis type *	Rack (1U)
Cooling type *	Active
Product colour	Aluminium, Black
Number of fans	3 fan(s)
Fan diameter	4 cm
LED indicators	HDD, LAN, Status, USB
Cable lock slot	✓
Cable lock slot type	Kensington

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 IOT Core, Windows 10 Pro, Windows 10 Pro 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 Ultimate x64, 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	Built-in
Power supply unit (PSU) capacity	100 W
Number of power supply units	1
Power consumption (HDD standby)	12.42 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Output current	3.5 A

Weight & dimensions	
Width *	439 mm
Depth *	291 mm
Height *	44 mm
Weight	4.15 kg
Package weight	5.78 kg

Packaging content	
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%

Other features	
Digital Living Network Alliance (DLNA) certified	✓

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Publication date: 11-JAN-2024. Prints or copies of Information are only valid on the printed Publication date