



QNAP TS-431XeU-8G 24TB 4x6TB Seagate Exos 4 Bay NAS Rackmount Rack (1U) Annapurna Labs Alpine AL-314 DDR3 HDD QNAP Turbo System Aluminium, Black



Brand : QNAP

Product code: TS-431XEU-8G/24TB-EXOS

Product name : TS-431XeU-8G 24TB 4x6TB Seagate Exos 4 Bay NAS Rackmount

AnnapurnaLabs Alpine AL-314 (1.7GHz), DDR3 (1600MHz), 10GbE LAN
QNAP TS-431XeU-8G 24TB 4x6TB Seagate Exos 4 Bay NAS Rackmount. Type: NAS. Chassis type: Rack (1U). Device class: Small & Medium Business. Processor family: Annapurna Labs, Processor model: Alpine AL-314, Processor frequency: 1.7 GHz. Internal memory type: DDR3. Total installed storage capacity: 24 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System

Storage		Design	
Supported storage drive interfaces	Serial ATA III	LED indicators	HDD, LAN, Status, USB
Storage drive sizes supported	2.5,3.5"	Cable lock slot	✓
RAID support *	✓	Cable lock slot type	Kensington
RAID levels	0, 1, 5+HS, 5, 6, 10, JBOD	Performance	
Online RAID migration	✓	Type *	NAS
Online RAID expansion	✓	Device class *	Small & Medium Business
Hot-swap drive bays	✓	Backup function *	✓
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Backup features	Cloud, iSCSI LUN
Storage drives installed *	✓	Buzzer	✓
Total installed storage capacity *	24 TB	Number of users	4096 user(s)
Number of storage drives installed *	4	Noise level	20.3 dB
Number of storage drives supported *	4	Third-party support	✓
Installed storage drive type *	HDD	Snapshot	✓
Supported storage drive types *	HDD & SSD	Management protocols	SNMP
Bad block scan	✓	Web-based management	✓
Disk roaming	✓	Share folder access right management	✓
Processor		Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Processor family *	Annapurna Labs	Reset button	✓
Processor model *	Alpine AL-314	On/off switch	✓
Processor frequency *	1.7 GHz	Built-in iTunes server	✓
Processor cores	4	Built-in FTP server	✓
Memory		Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Internal memory type	DDR3	System log	✓
Memory clock speed	1600 MHz	Hot spare	✓
Maximum RAM supported	8 GB	S.M.A.R.T. support	✓
Memory slots	1	Share folder	512
Memory form factor	SO-DIMM	Universal Plug and Play (UPnP)	✓
Flash memory	512 MB	Software	
Network		Operating system installed *	QNAP Turbo System
Ethernet LAN *	✓	Operating system version	4.3
Ethernet LAN data rates	10,100,1000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗		

Network		Software	
DHCP client	✓		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
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, and SMSC	Windows operating systems supported	
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		Linux operating systems supported	✓
Chassis type *	Rack (1U)	Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Cooling type *	Active		
Product colour	Aluminium, Black	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Number of fans	3 fan(s)		
Fan diameter	4 cm		
		Power	
		Power supply location	Built-in
		Power supply unit (PSU) capacity	100 W
		Number of power supply units	1
		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
		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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