QNAP TVS-673e NAS Tower AMD Embedded R-Series SoC RX-421BD 4 GB DDR4 24 TB HDD QNAP Turbo System Black, Bronze

Brand : QNAP

Product code: TVS-673E-4G/24TB-IWPRO

Product name : TVS-673e

AMD RX-421BD (2.1/3.4GHz), 4GB DDR4 (2133Mhz), Gigabit LAN
QNAP TVS-673e. Type: NAS. Chassis type: Tower. Device class: Small & Medium Business. Processor family: AMD Embedded R-Series SoC, Processor model: RX-421BD, Processor frequency: 2.1 GHz. Internal memory: 4 GB, Internal memory type: DDR4. Total installed storage capacity: 24 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System

Storage	
Supported storage drive interfaces	M.2, Serial ATA III
Storage drive sizes supported	2.5,3.5,M.2
Number of M.2 (M & B) slots	2
RAID support *	✓
RAID levels	0, 1, 5+S, 5, 6, 6+HS, 10+HS, 10, JBOD
Online RAID migration	✓
Online RAID expansion	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, exFAT, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	24 TB
Number of storage drives supported *	6
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD

Processor	
Processor family *	AMD Embedded R-Series SoC
Processor model *	RX-421BD
Processor frequency *	2.1 GHz
Processor boost frequency	3.4 GHz
Processor cores	4
On-board graphics card model	AMD Radeon R7

Memory	
Internal memory *	4 GB
Internal memory type	DDR4
Memory clock speed	2133 MHz
Maximum RAM supported	64 GB
Memory slots	4
Memory form factor	SO-DIMM
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	✓

Design	
LED indicators	HDD, LAN, Status, USB
Built-in display	✓
Display type	LCD
Cable lock slot	✓
Cable lock slot type	Kensington
Built-in speaker(s)	✓
Number of built-in speakers	1

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, USB drive, iSCSI LUN
Number of users	4096 user(s)
Noise level	23 dB
Third-party support	✓
Snapshot	✓
Management protocols	SNMP
Web-based management	✓
Share folder access right management	✓
Security algorithms	256-bit AES, HTTPS, SSH
Reset button	✓
On/off switch	✓
Built-in iTunes server	✓
Built-in FTP server	✓
Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7+, Mozilla Firefox
System log	✓
Hot spare	✓
Share folder	512
Remotely operated	✓
Backup button	✓
Universal Plug and Play (UPnP)	✓
USB copy function	✓

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

Network	
iSCSI support	✓
Wake-on-LAN ready	✓
Supported network protocols	CIFS/SMB, AFP (v3.3), FTP, FTPS, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP
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	4
HDMI ports quantity	2
HDMI version	1.4b
Ethernet LAN (RJ-45) ports *	4
3.5 mm (1/8-inch) out	✓
PCI Express x4 (Gen 3.x) slots	2

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black, Bronze
Number of fans	3 fan(s)
Fan diameter	9 cm
Fan diameter 2	6 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 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
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	250 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 *	264.3 mm
Depth *	279.6 mm
Height *	188.2 mm

Packaging content	
Cables included	AC, LAN (RJ-45)
Quick installation guide	✓
Number of screws	20

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

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