



# QNAP TVS-673e NAS Tower AMD Embedded R-Series SoC RX-421BD 4 GB DDR4 60 TB HDD QNAP Turbo System Black, Bronze

Brand : QNAP

Product code: TVS-673E-4G/60TB-EXOS

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: 60 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System



Storage		Design	
Supported storage drive interfaces	M.2, Serial ATA III	LED indicators	HDD, LAN, Status, USB
Storage drive sizes supported	2.5,3.5,M.2	Built-in display	✓
Number of M.2 (M & B) slots	2	Display type	LCD
RAID support *	✓	Cable lock slot	✓
RAID levels	0, 1, 5+S, 5, 6, 6+HS, 10+HS, 10, JBOD	Cable lock slot type	Kensington
Online RAID migration	✓	Built-in speaker(s)	✓
Online RAID expansion	✓	Number of built-in speakers	1
Hot-swap drive bays	✓	Performance	
Supported file systems	FAT32, HFS+, exFAT, ext3, ext4	Type *	NAS
Storage drives installed *	✓	Device class *	Small & Medium Business
Total installed storage capacity *	60 TB	Backup function *	✓
Number of storage drives supported *	6	Backup features	Cloud, USB drive, iSCSI LUN
Installed storage drive type *	HDD	Number of users	4096 user(s)
Supported storage drive types *	HDD & SSD	Noise level	23 dB
Processor		Third-party support	✓
Processor family *	AMD Embedded R-Series SoC	Snapshot	✓
Processor model *	RX-421BD	Management protocols	SNMP
Processor frequency *	2.1 GHz	Web-based management	✓
Processor boost frequency	3.4 GHz	Share folder access right management	✓
Processor cores	4	Security algorithms	256-bit AES, HTTPS, SSH
On-board graphics card model	AMD Radeon R7	Reset button	✓
Memory		On/off switch	✓
Internal memory *	4 GB	Built-in iTunes server	✓
Internal memory type	DDR4	Built-in FTP server	✓
Memory clock speed	2133 MHz	Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7+, Mozilla Firefox
Maximum RAM supported	64 GB	System log	✓
Memory slots	4	Hot spare	✓
Memory form factor	SO-DIMM	Share folder	512
Flash memory	512 MB	Remotely operated	✓
Network		Backup button	✓
Ethernet LAN *	✓	Universal Plug and Play (UPnP)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	USB copy function	✓
Wi-Fi	✗	Software	
DHCP client	✓	Operating system installed *	QNAP Turbo System
DHCP server	✓	Operating system version	4.3
Jumbo frames support	✓		

Network		Software	
iSCSI support	✓		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
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		Windows operating systems supported	
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		Linux operating systems supported	✓
Chassis type *	Tower	Mac operating systems supported	Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion
Cooling type *	Active		
Product colour	Black, Bronze	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	9 cm		
Fan diameter 2	6 cm		
		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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