## QNAP

## QNAP TVS-673E-4G NAS Tower AMD Embedded R-Series SoC RX-421BD 4 GB DDR4 24 TB HDD QNAP Turbo System Gold

**Brand :** QNAP **Product code:** TVS-673E-4G/24TB-IW

**Product name :** TVS-673E-4G

Tower, AMD R-Series RX-421BD quad-core 2.1 GHz, 4 GB DDR4 RAM, Flash 512 MB DOM, Radeon R7, AES-NI,  $2 \times M.2$ ,  $6 \times 2.5$ "/3.5", 6Gbps,  $4 \times LAN$ , USB 3.0, HDMI,  $2 \times PC$ le Gen $3 \times 4$ ,  $6 \times 4$ TB Seagate IronWolf NAS HDD

QNAP TVS-673E-4G NAS Tower AMD Embedded R-Series SoC RX-421BD 4 GB DDR4 24 TB HDD QNAP Turbo System Gold:

The TVS-673e is powered by a high-end AMD R-Series APU that incorporates an exceptional CPU with AMD Radeon™ R7 Graphics performance, delivering a high-performance and energy-efficient NAS solution. Built with a state-of-the-art metal design and topped off with a stylish gold finish, the highly-capable TVS-673e provides PCIe expandability, the unique USB QuickAccess port, HDMI 4K@ 30Hz output, and 4K H.264 video decoding and encoding acceleration for an optimum audiovisual experience.







Storage		Design	
Storage drive capacity * Storage drive interface * Supported storage drive interfaces Storage drive sizes supported Number of M.2 (M & B) slots RAID support * RAID levels	4 TB Serial ATA III M.2, Serial ATA II, Serial ATA III 2.5,3.5" 2  ✓ 0, 1, 5, 6, 10, JBOD	LED indicators Built-in display Display type Cable lock slot Cable lock slot type Built-in speaker(s) Number of built-in speakers	✓ ✓ LCD ✓ Kensington ✓ 2
Online RAID migration	✓	Performance	
Online RAID expansion RAID rebuild Hot-swap drive bays Supported file systems Storage drives installed * Total installed storage capacity * Number of storage drives installed * Number of storage drives supported * Installed storage drive type * Supported storage drive types * Bad block scan Disk roaming		Type * Device class * Backup function * Backup features Multilingual support Third-party support Built-in optical drive Card reader integrated Snapshot Management protocols Web-based management Security algorithms	NAS Home & Home Office  Cloud, iSCSI LUN  SNMP  SNMP  256-bit AES, FIPS 140-2, HTTPS SNMP, SSH, SSL/TLS
Processor		Access Control List (ACL)	✓
Processor family * Processor model * Processor frequency * Processor boost frequency Processor cores Processor operating modes On-board graphics card model	AMD Embedded R-Series SoC RX-421BD 2.1 GHz 3.4 GHz 4 64-bit AMD Radeon R7	On/off switch Built-in BitTorrent client Built-in UPnP AV media server Built-in iTunes server Built-in FTP server Browser supported	√ √ √ Internet Explorer 10+, Chrome, Safari 7+, Firefox
Memory		System log	<b>√</b>
Internal memory * Internal memory type Maximum RAM supported Memory slots	4 GB DDR4 64 GB 4	Hot spare Password authentication Disk scan S.M.A.R.T. support Share folder	√ √ ✓ CIFS/SMB

Memory for finator         SO-DIMM         Beature button         Control           Risah memory         512 MB         universal Plug and Play (UPnP)         4           Network         Software         Vertical Plug and Play (UPnP)         4           Ethernet LAM " Adat areas         1,010,0100 Mbit/s         Operating system resinion         4,3           Copper ethernet cabling technology Wi-FI         10BASE-T, 100BASE-T, 1000BASE-T, 10				
Flash memory   Size March   Software   Sof	Memory		Performance	
Network   Software	Memory form factor	SO-DIMM	Backup button	✓
Ethernet LAN*	Flash memory	512 MB	Universal Plug and Play (UPnP)	✓
Ethernet LAN data rates 10,100,1000 Mbit/s Operating system version 4,3  Copper ethernet cabling technology 10BASE-T, 100BASE-T, 100BASE-T Windows operating systems supported 10,100 Copper ethernet cabling technology 10BASE-T, 100BASE-T, 100B	Network		Software	
Copper ethermet cabling technology       URBASE-T, 1008ASE-T, 1008ASE-	Ethernet LAN *	✓	Operating system installed *	QNAP Turbo System
Wi-Fi DHCP lent OHCP server V Jumbo frames support V Wake-on-LAN ready USS juport V Wake-on-LAN ready V V Wake-on-LAN ready V V Wake-on-LAN ready V V Wake-on-LAN ready V V V Wake-on-LAN ready V V V Wake-on-LAN ready V V V V Wake-on-LAN ready V V V V Wake-on-LAN ready V V V V V V V V V V V V V V V V V V V	Ethernet LAN data rates	10,100,1000 Mbit/s	Operating system version	4.3
Direct Server   Mac compatibility   Spring, Mac compatibility   Spring, Mac compatibility   Spring, Mac compatibility   Mac				Windows 10, Windows 7, Windows 8
Jumbo frames support Wake-on-LAN ready Vake-on-LAN ready Vale-on-LAN ready Vale-on-Vale-on	DHCP client	✓	Linux operating systems supported	1
Social content of the stands	DHCP server	✓	Mac compatibility	•
SCSI support Wake-on-LAN ready CIFS/SMB, AFP (v3.3), NFS (v3), FTP, Supported network protocols Dynamic DNS (DDNS) CIPS/SMB, AFP (v3.3), NFS (v3), FTP, STPS, STP, FTPP, HTTP(S), Telnet, SSH, ISCSI, SNMP, SMTC, SSH, ISCSI, SNMP, SMTC  Power  USB port*  V Power  USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity HDMI ports quantity HDMI ports quantity HDMI ports quantity LEthernet LAN (RJ-45) ports* 4 AC input voltage Ethernet LAN (RJ-45) ports* AC input frequency Microphone in PCI Express x4 (Gen 3.x) slots  PCI Express x4 (Gen 3.x) slots  Design  Chassis type* Cooling type* Active  Cooling type* Active  Froduct colour Gold Number of fans Fan diameter	Jumbo frames support	✓		· · · · · · · · · · · · · · · · · · ·
CIES/SMB, AFP (v3.3), NFS (v3), FTP, FTP, HTTP(S), Telnet, SSH, ISCSI, SNMP, SMTC, SSH, ISCSI, SNMP, SMTC  Dynamic DNS (DDNS)  Ports & interfaces  USB port*  USB port*  USB 2.2 Gen 1 (3.1 Gen 1) Type-A ports quantity  HDMI ports quantity  2 HDMI version  1.4b  AC input frequency  Depth *  Height *  Depth *  Height *  Cooling type *  Active  Product colour  Cooling type *  Active  Active  Product colour  Number of fans  3 fan(s)  Quick installation guide  AC input for great in gas being a content  Product colour  Number of screws  AC input frequency  Built-in  100-240 V  AC input frequency  50 - 60 Hz  AC input frequency  50 - 60 Hz  AC input in it (PSU) capacity  AC input voltage  AC input in it (PSU) capacity  AC input voltage  AC input in it (PSU) capacity  AC input voltage  AC input voltage  AC input voltage  AC input in it (PSU) capacity  AC input voltage  AC input voltage  AC input voltage  AC input voltage  AC input in it (PSU) capacity  Built-in  100-240 V  AC input frequency  Built-in  100-240 V  AC input frequency  AC input frequency  Built-in  100-240 V  AC input frequency  AC in	iSCSI support	✓	Mas apparating systems symported	
Dynamic DNS (DDNS)  Ports & interfaces  USB port *  USB 2.2 Gen 1 (3.1 Gen 1) Type-A ports quantity HDMI ports quantity HDMI version Ethernet LAN (R)-45) ports *  2.5 m (1/8-inch) out Microphone in PCI Express x4 (Gen 3.x) slots  PCI Express x4 (Gen 3.x) slots  Power  Cooling type *  Active Product colour Cooling type *  Active Product colour Active Active Product colour Active Active Active Active Product colour Active Acti	,		mac operating systems supported	Mountain Lion, Mac OS X 10.9
Dynamic DNS (DDNS)  Ports & interfaces  USB port *  USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity  PDMI ports quantity  1.4b  HDMI ports (1.4b)  Ethernet LAN (RJ-45) ports *  3.5 mm (1/8-inch) out  Microphone in  POsers x4 (Gen 3.x) slots  Posers x4 (Gen 3.x) slots  Power  Cooling type *  Active  Pockaging content  Cooling type *  Active  Pockaging content  Cooling type *  Active  Pockaging content  Pockaging content  Cooling type *  Active  Pockaging content  Cooling type *  Active  Pockaging content  Pockaging content  Cooling type *  Active  Cooling type *  Active  Pockaging content  Cooling type *  Active  Pockaging content  Cooling type *  Active  Pockaging content  Cooling type *  Active  Act	Supported network protocols			
USB port *  USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity  HDMI ports quantity  HDMI ports quantity  2  HDMI version  1.4b  AC input voltage  AC input frequency  3.5 mm (1/8-inch) out  Microphone in  PCI Express x4 (Gen 3.x) slots  2  Width *  Depth *  Height *  Tower  Cooling type *  Cooling type *  Active  Packaging content  Fran diameter 2  Fan diameter 2  Fan diameter 2  AC input voltage  AC input frequency  AC input frequency  AC input frequency  AC input frequency  Built-in  Built-in	-		Server operating systems supported	Server 2008 R2, Windows Server 2012, Windows Server 2012 R2,
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity  HDMI ports quantity  2 Number of power supply unit (PSU) capacity  HDMI version  1.4b  AC input voltage  AC input voltage  AC input frequency  50 - 60 Hz  3.5 mm (1/8-inch) out  Microphone in  PCI Express x4 (Gen 3.x) slots  2 Width*  Depth* Height*  188.2 mm  Power Supply units  1 Power Supply units				Windows Server 2016
ports quantity HDMI ports quantity HDMI ports quantity  + Dewer supply unit (PSU) capacity HDMI version  1.4b  AC input voltage HDMI version  1.4c  AC input frequency HDMI version HOMI requency HDMI	'	✓	Power	
HDMI ports quantity 2 HDMI version 1.4b  AC input voltage 100-240 V  AC input frequency 50 - 60 Hz  3.5 mm (1/8-inch) out   Microphone in  PCI Express x4 (Gen 3.x) slots 2  Design   Chassis type * Tower   Cooling type * Active  Product colour  Number of fans 3 fan(s)  San(s)  Fan diameter 2  Fan diameter 2  Fan diameter 2  AC input voltage 100-240 V  AC input frequency 50 - 60 Hz  Weight & dimensions  Width * 279.6 mm  Height * 279.6 mm  Height * 188.2 mm  Packaging content  Cables included AC, LAN (RJ-45)  Number of fans 200 AC, LAN (RJ-45)  Number of screws 200  Parational conditions  Operating temperature (T-T) 0 - 40 °C  Operating relative humidity (H-H) 5 - 95%  Other features  Power management  Very Company of the control of	, , , , , , , , , , , , , , , , , , , ,	4	Power supply location	Built-in
HDMI version 1.4b AC input voltage 100-240 V Ethernet LAN (RJ-45) ports * 4 3.5 mm (1/8-inch) out		2	Power supply unit (PSU) capacity	250 W
Ethernet LAN (RJ-45) ports * 4 3.5 mm (1/8-inch) out				
Microphone in  PCI Express x4 (Gen 3.x) slots  Possign  Chassis type * Cooling type * Product colour  Number of fans Fan diameter 2  Fan diameter 3  Fan diameter 3  Fan diameter 4  Fan diameter 5  Fan diameter 6  Fan diameter 7  Fan diameter 8  Fan diameter 9  Fan diame	Ethernet LAN (RJ-45) ports *	4		
PCI Express x4 (Gen 3.x) slots 2 Width * 264.3 mm  Pesign  Chassis type * Tower  Cooling type * Active  Product colour  Number of fans 3 fan(s)  Fan diameter 2 Fan diameter 2  Formula	3.5 mm (1/8-inch) out	✓	AC input frequency	50 - 60 Hz
Design  Chassis type * Cooling type * Product colour Rumber of fans Fan diameter 2  For mandiameter 2  Coeling type * Fan diameter 2  Coeling type * Coeling type * Active Packaging content Cables included Cables included AC, LAN (RJ-45) Aumber of screws Quick installation guide Verational conditions Operational conditions Operating temperature (T-T) Operating relative humidity (H-H) Operating relative humidity	Microphone in	✓	Weight & dimensions	
Chassis type * Tower  Cooling type * Active  Product colour  Number of fans Fan diameter 2  Fan diameter 3  Fan diameter 4  Fan diameter 5  Fan diameter 6  Fan diameter 7  Fan diameter 8  Fan diameter 9  Fa	PCI Express x4 (Gen 3.x) slots	2	Width *	264.3 mm
Chassis type * Tower  Cooling type * Active  Product colour  Number of fans  3 fan(s)  Fan diameter  Fan diameter 2  6 cm  Operating temperature (T-T)  Operating relative humidity (H-H)  Other features  Power management  Digital Living Network Alliance	Design		Depth *	279.6 mm
Cooling type * Active Packaging content  Product colour Gold Cables included AC, LAN (RJ-45)  Number of fans 3 fan(s) Quick installation guide ✓ Fan diameter 12 Cm Number of screws 20  Fan diameter 2 Operational conditions Operating temperature (T-T) 0 - 40 °C Operating relative humidity (H-H) 5 - 95%  Other features Power management Digital Living Network Alliance	Chassis type *	Tower	Height *	188.2 mm
Number of fans 3 fan(s) Quick installation guide Fan diameter 12 cm Number of screws 20  Parational conditions Operating temperature (T-T) Operating relative humidity (H-H) 5 - 95%  Other features Power management Digital Living Network Alliance	* *	Active	Packaging content	
Fan diameter 2  Fan diameter 2  Operational conditions Operating temperature (T-T) 0 - 40 °C Operating relative humidity (H-H) 5 - 95%  Other features Power management Digital Living Network Alliance	Product colour	Gold	Cables included	AC, LAN (RJ-45)
Fan diameter 2  Operational conditions Operating temperature (T-T) 0 - 40 °C Operating relative humidity (H-H) 5 - 95%  Other features Power management Digital Living Network Alliance	Number of fans	3 fan(s)	Quick installation guide	✓
Operational conditions  Operating temperature (T-T) 0 - 40 °C  Operating relative humidity (H-H) 5 - 95%  Other features  Power management  Digital Living Network Alliance	Fan diameter	12 cm	Number of screws	20
Operating relative humidity (H-H) 5 - 95%  Other features  Power management  Digital Living Network Alliance	Fan diameter 2	6 cm	Operational conditions	
Other features  Power management  Digital Living Network Alliance			Operating temperature (T-T)	0 - 40 °C
Power management  Digital Living Network Alliance			Operating relative humidity (H-H)	5 - 95%
Digital Living Network Alliance			Other features	
			Power management	✓
				<b>√</b>



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