

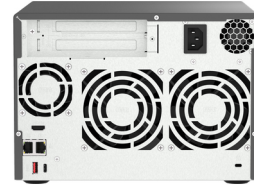
QNAP TVS-h674 NAS Tower Ethernet LAN Black i5-12400

Brand : QNAP

Product code: TVS-H674-I5-16G/60TB IW

Product name : TVS-h674

- Enable NVMe SSD caching or Edge TPU empowered AI image recognition
 - 2.5GbE ports provide higher transmission speeds with existing Cat 5e cables
 - PCIe slots allow for installing 2.5/5/10/25GbE adapters, QM2 cards, or entry-level graphics cards to increase application performance
 - Host multiple virtual machines and containers with optimized resource utilization
 - Directly view creative works on an HDMI display. Enjoy smooth full HD media playback and real-time transcoding
 - The built-in Intel® OpenVINO™ and Intel® UHD Graphics help boost AI image recognition and offload CPU workloads
- 60TB (Seagate IronWolf), Intel Core i5-12400 (2.5/4.4GHz), 16GB DDR4, 2.5 Gigabit LAN



Storage		Performance	
Storage drive interface *	Serial ATA	Type *	NAS
Supported storage drive interfaces	M.2, Serial ATA	Device class *	Small & Medium Business
Number of M.2 (M & B) slots	2	Backup function *	✓
RAID support *	✓	Backup features	Cloud, USB drive, iSCSI LUN
RAID levels	0, 1, 5, 6, 10, 50, 60	Buzzer	✓
Online RAID migration	✓	Snapshot	✓
Online RAID expansion	✓	Management protocols	SNMP
RAID rebuild	✓	Share folder access right management	✓
Hot-swap drive bays	✓	Security algorithms	FIPS 140-2, HTTPS, SNMPv2, SNMPv3, SSH
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	Access Control List (ACL)	✓
Storage drives installed *	✓	Reset button	✓
Total installed storage capacity *	60 TB	On/off switch	✓
Number of storage drives supported *	6	Built-in FTP server	✓
Installed storage drive type *	HDD	Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Supported storage drive types *	HDD & SSD	System log	✓
Disk roaming	✓	Hot spare	✓
Processor		S.M.A.R.T. support	✓
Processor manufacturer *	Intel	Backup button	✓
Processor generation	12th gen Intel® Core™ i5	USB copy function	✓
Processor family *	Intel® Core™ i5	Software	
Processor model *	i5-12400	Operating system installed *	QuTS hero
Processor frequency *	2.5 GHz	Operating system version	h5.0.1
Processor boost frequency	4.4 GHz		
Processor cores	6		
Processor threads	12		
Bus type	DMI4		
CPU configuration (max)	1		
Number of processors supported	1		
On-board graphics card model	Intel UHD Graphics 730		
Memory			
Internal memory type	DDR4		
Maximum RAM supported	64 GB		
Memory slots	2x SODIMM		
Internal memory *	16 GB		

Memory		Software	
Memory form factor	SO-DIMM		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 Pro, Windows 10 Pro x64, Windows 10 x64, Windows 11, Windows 11 x64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, 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
Flash memory	5120 MB		
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000,2500 Mbit/s		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Ports & interfaces			
USB port *	✓		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1		
HDMI ports quantity	1		
HDMI version	1.4b		
Ethernet LAN (RJ-45) ports *	2	Windows operating systems supported	Ubuntu 14.04
Design			
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Black		
Number of fans	3 fan(s)		
Fan diameter	9.2 cm		
Fan diameter 2	6 cm		
Drive bay locking	✓		
LED indicators	HDD, LAN, Status, USB		
Built-in display	✓		
Display type	LCD		
Cable lock slot	✓		
Cable lock slot type	Kensington		
		Linux operating systems supported	Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina
		Mac operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
		Server operating systems supported	Other operating systems supported
			Solaris 10
		Power	
		Power supply location	Built-in
		Power supply unit (PSU) capacity	250 W
		Number of power supply units	1
		Power consumption (typical)	79.363 W
		Power consumption (sleep)	39.911 W
		AC input voltage	100 - 240 V
		Fan voltage	12 V
		Weight & dimensions	
		Width *	264.3 mm
		Depth *	280.8 mm
		Height *	188 mm
		Weight	6.32 kg
		Package weight	7.89 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Number of screws	42
		Drive tray key included	✓
		Processor special features	
		Embedded options available	✗
		Enhanced Intel SpeedStep Technology	✓
		Execute Disable Bit	✓
		Idle States	✓
		Intel 64	✓
		Intel Virtualization Technology (VT-x)	✓
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
		Intel VT-x with Extended Page Tables (EPT)	✓

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	-20 - 70%
Storage temperature (T-T)	5 - 95 °C

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