

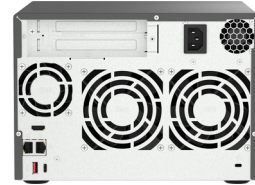
QNAP TVS-h674 NAS Tower Ethernet LAN Black i5-12400

Brand : QNAP

Product code: TVS-H674-I5-16G/48TB 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
- 48TB (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 * | 48 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 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 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 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 |
| 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 | ✓ | Linux operating systems supported | Ubuntu 14.04 |
| 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 | | |
| Design | | Mac 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 |
| 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 | Server operating systems supported | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| Built-in display | ✓ | | |
| Display type | LCD | | |
| Cable lock slot | ✓ | | |
| Cable lock slot type | Kensington | | |
| 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 | | Other operating systems supported | Solaris 10 |
| 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 | | 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 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 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 |
| 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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