QNAP TVS-H474 NAS Tower Intel® Pentium® G7400 8 GB DDR4 16 TB QuTS hero Black

Brand : QNAP

Product code: TVS-H474-PT-8G/16TB-REDPLUS

Product name : TVS-H474

Intel Pentium Gold G7400 3.7 GHz, Intel UHD Graphics 710, 8 GB SODIMM DDR4, 5GB Flash, 4 x 3.5", 2 x M.2, RJ-45, USB, HDMI

QNAP TVS-H474. Type: NAS. Chassis type: Tower. Device class: Small & Medium Business. Processor family: Intel® Pentium®, Processor model: G7400, Processor frequency: 3.7 GHz. Internal memory: 8 GB, Internal memory type: DDR4. Total installed storage capacity: 16 TB. Operating system installed: QuTS hero

Storage	
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
Number of M.2 (M & B) slots	2
RAID support *	✓
RAID levels	1, 5, 6, 10, 50, 60, JBOD
RAID rebuild	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	16 TB
Number of storage drives supported *	4
Supported storage drive types *	HDD & SSD
Disk roaming	✓

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Pentium®
Processor model *	G7400
Processor frequency *	3.7 GHz
Processor cores	2
Processor threads	4
Processor cache	6 MB
L2 cache	2.5 MB
Bus type	DMI4
CPU configuration (max)	1
On-board graphics card model	Intel UHD Graphics 710

Memory	
Internal memory *	8 GB
Internal memory type	DDR4
Maximum RAM supported	64 GB
Memory slots	2
Memory form factor	SO-DIMM
Flash memory	5000 MB

Network	
Ethernet LAN *	✓

Design	
Cable lock slot type	Kensington

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Number of users	16000 user(s)
Snapshot	✓
Management protocols	SMB/CIFS, AFP, NFS
Web-based management	✓
Share folder access right management	✓
Security algorithms	SNMPv2, SNMPv3, SSH
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Apple Safari (latest version), Google Chrome (latest version), Microsoft Edge (latest version), Mozilla Firefox (latest version)
System log	✓
Hot spare	✓
Disk scan	✓
S.M.A.R.T. support	✓
Share folder	Thick, Thin
USB copy function	✓

Software	
Operating system installed *	QuTS hero
Operating system version	h5.0.1

Network	
Ethernet LAN data rates	10,100,1000,2500 Mbit/s
DHCP server	✓
Jumbo frames support	✓
iSCSI support	✓
Wake-on-LAN ready	✓
Supported network protocols	IPv4, IPv6
Dynamic DNS (DDNS)	✓

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
Number of SATA III connectors	4
Concurrent connections	700
PCI Express x2 (Gen 3.x) slots	2
PCI Express x16 (Gen 4.x) slots	1

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	2 fan(s)
Fan diameter	12 cm
Fan diameter 2	6 cm
LED indicators	M.2, HDD, LAN, Status, USB
Built-in display	✓
Display type	LCD
Cable lock slot	✓

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 IoT Enterprise, 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
Linux operating systems supported	CentOS 7.0, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2
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, Mac OS X 11.0 Big Sur, Mac OS X 12.0 Monterey
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Other operating systems supported	IBM AIX 7.1, Solaris 10

Power	
Power supply location	Built-in
Power supply unit (PSU) capacity	250 W
Number of power supply units	1
Power consumption (typical)	78.574 W
Power consumption (sleep)	34.906 W
AC input voltage	100 - 240 V

Weight & dimensions	
Width *	199.3 mm
Depth *	280.2 mm
Height *	188.2 mm

Packaging content	
Cables included	AC, LAN (RJ-45)
Power cables quantity	1
Number of screws	28
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)	5 - 95%
Storage temperature (T-T)	-20 - 70 °C

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Publication date: 08-AUG-2024. Prints or copies of Information are only valid on the printed Publication date