QNAP

QNAP TVS-2472XU-RP NAS Teline (4U) Intel® Core™ i5 i5-8500 8 GB DDR4 0 TB QNAP Turbo System musta

Tuotemerkki : QNAP

Tuotekoodi: TVS-2472XU-RP-I5-8G

Tuotteen nimi : TVS-2472XU-RP

QNAP TVS-2472XU-RP. Malli: NAS. Alustatyyppi: Teline (4U). Suoritinperhe: Intel® Core™ i5, Prosessorimalli: i5-8500, Prosessorin taajuus: 3 GHz. Sisäinen muisti: 8 GB, Sisäisen muistin tyyppi: DDR4. Asennetun muistin kokonaiskapasiteetti: 0 TB. Käyttöjärjestelmä asennettu: QNAP Turbo System
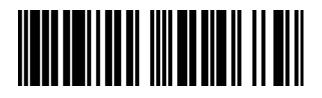
Storage

Storage drive capacity *	0 GB
Supported storage drive interfaces	Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID support *	✔
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	✔
Online RAID expansion	✔
RAID rebuild	✔
Hot-swap drive bays	✔
Supported file systems	FAT32, NTFS, exFAT, ext3, ext4
Storage drives installed *	✘
Total installed storage capacity *	0 TB
Number of storage drives supported *	24
Installed storage drive type *	✘
Supported storage drive types *	HDD & SSD
Bad block scan	✔
Disk roaming	✔

Processor

Processor manufacturer *	Intel
Processor generation	8th gen Intel® Core™ i5
Processor family *	Intel® Core™ i5
Processor model *	i5-8500
Processor frequency *	3 GHz
Processor boost frequency	4.1 GHz
Processor cores	6
Processor threads	6
Processor cache	9 MB
Bus type	DMI3
CPU configuration (max)	1
ECC supported by processor	✘
PCI Express configurations	1x16, 1x8+2x4, 2x8
PCI Express slots version	3.0
Processor cache type	Smart Cache
Processor codename	Coffee Lake

Performance

Multilingual support	✔
Noise level	36.3 dB
Snapshot	✔
Management protocols	SNMP 2/3
Web-based management	✔
Share folder access right management	✔
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Access Control List (ACL)	✔
Reset button	✔
On/off switch	✔
Built-in iTunes server	✔
Built-in FTP server	✔
Browser supported	Apple Safari 7, Google Chrome, Microsoft Internet Explorer 10, Mozilla Firefox
System log	✔
Hot spare	✔
S.M.A.R.T. support	✔
Share folder	CIFS/SMB
Universal Plug and Play (UPnP)	✔

Software

Operating system installed *	QNAP Turbo System

Processor

Processor lithography	14 nm
Processor operating modes	64-bit
Processor package size	37.5 x 37.5 mm
Processor socket	LGA 1151 (Socket H4)
Scalability	1S
System bus rate	8 GT/s
Tjunction	100 °C
Thermal Design Power (TDP)	65 W
On-board graphics card model	Intel® UHD Graphics 630
Maximum internal memory supported by processor	64 GB
Memory bandwidth supported by processor (max)	41.6 GB/s
Conflict-Free processor	✔

Memory

Internal memory *	8 GB
Internal memory type	DDR4
Maximum RAM supported	64 GB
Memory slots	4
Memory form factor	DIMM
Flash memory	4000 MB

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Wi-Fi	✘
DHCP client	✔
DHCP server	✔
Jumbo frames support	✔
iSCSI support	✔
Wake-on-LAN ready	✔
Supported network protocols	TCP/IP, IPv4, IPv6
Link aggregation	✔
Fault tolerance	✔
Load balancing system	✔
Dynamic DNS (DDNS)	✔
WLAN adapter supported	✔

Ports & interfaces

USB port *	✔
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Fiber ports quantity	2
Fiber optic connector	SFP+
HDMI ports quantity	1
HDMI version	2.0
Ethernet LAN (RJ-45) ports *	4

Graphics

On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3E92
Maximum on-board graphics card memory	64 GB

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 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
Linux operating systems supported	✔
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 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016

Power

Power supply unit (PSU) capacity	800 W
Number of power supply units	2
Redundant power supply (RPS) support	✔
Power consumption (typical)	171.29 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Weight & dimensions

Width *	481 mm
Depth *	672 mm
Height *	176.2 mm
Weight	20.7 kg
Package weight	28.6 kg

Packaging content

Cables included	AC, LAN (RJ-45)
Quick installation guide	✔
Number of screws	192

Processor special features

Embedded options available	✔
Enhanced Intel SpeedStep Technology	✔
Execute Disable Bit	✔
Idle States	✔
Intel 64	✔
Intel Clear Video Technology	✔
Intel Enhanced Halt State	✔
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Stable Image Platform Program (SIPP)	✔

Graphics

Number of displays supported (on-board graphics)	3

Design

Chassis type *	Rack (4U)
Cooling type *	Active
Product colour	Black
Number of fans	4 fan(s)
Fan diameter	9.2 cm
LED indicators	HDD, LAN, Status
Cable lock slot	✔
Cable lock slot type	Kensington

Performance

Type *	NAS
Backup function *	✔
Backup features	iSCSI LUN

Processor special features

Intel Stable Image Platform Program (SIPP) version	1.00
Intel Trusted Execution Technology	✔
Intel TSX-NI	✔
Intel TSX-NI version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® InTru™ 3D Technology	✔
Intel® OS Guard	✔
Intel® Quick Sync Video Technology	✔
Intel® Secure Key	✔
Intel® Turbo Boost Technology	2.0
Maximum number of PCI Express lanes	16
Thermal Monitoring Technologies	✔
Thermal solution specification	PCG 2015C
Memory channels supported by processor	Dual
Memory types supported by processor	DDR4-SDRAM

Operational conditions

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

Logistics data

Harmonized System (HS) code	84714100

Other features

Digital Living Network Alliance (DLNA) certified	✔
Processor ARK ID	129939

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