



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		Performance	
Storage drive capacity *	0 GB	Multilingual support	✓
Supported storage drive interfaces	Serial ATA III	Noise level	36.3 dB
Storage drive sizes supported	2.5,3.5"	Snapshot	✓
RAID support *	✓	Management protocols	SNMP 2/3
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Web-based management	✓
Online RAID migration	✓	Share folder access right management	✓
Online RAID expansion	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
RAID rebuild	✓	Access Control List (ACL)	✓
Hot-swap drive bays	✓	Reset button	✓
Supported file systems	FAT32, NTFS, exFAT, ext3, ext4	On/off switch	✓
Storage drives installed *	✗	Built-in iTunes server	✓
Total installed storage capacity *	0 TB	Built-in FTP server	✓
Number of storage drives supported *	24	Browser supported	Apple Safari 7, Google Chrome, Microsoft Internet Explorer 10, Mozilla Firefox
Installed storage drive type *	✗	System log	✓
Supported storage drive types *	HDD & SSD	Hot spare	✓
Bad block scan	✓	S.M.A.R.T. support	✓
Disk roaming	✓	Share folder	CIFS/SMB
Processor		Universal Plug and Play (UPnP)	✓
Processor manufacturer *	Intel	Software	
Processor generation	8th gen Intel® Core™ i5	Operating system installed *	QNAP Turbo System
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		

Processor		Software	
Processor lithography	14 nm		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
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	Windows operating systems supported	
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	Linux operating systems supported	✓
Memory slots	4		
Memory form factor	DIMM		
Flash memory	4000 MB	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
Network			
Ethernet LAN *	✓		Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Ethernet LAN data rates	10,100,1000 Mbit/s	Server operating systems supported	
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		
		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		Processor special features	
Number of displays supported (on-board graphics)	3	Intel Stable Image Platform Program (SIPP) version	1.00
Design		Intel Trusted Execution Technology	✓
Chassis type *	Rack (4U)	Intel TSX-NI	✓
Cooling type *	Active	Intel TSX-NI version	1.00
Product colour	Black	Intel Virtualization Technology (VT-x)	✓
Number of fans	4 fan(s)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Fan diameter	9.2 cm	Intel VT-x with Extended Page Tables (EPT)	✓
LED indicators	HDD, LAN, Status	Intel® AES New Instructions (Intel® AES-NI)	✓
Cable lock slot	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Cable lock slot type	Kensington	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Performance		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Type *	NAS	Intel® Identity Protection Technology (Intel® IPT)	✓
Backup function *	✓	Intel® InTru™ 3D Technology	✓
Backup features	iSCSI LUN	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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