

QNAP TVS-1672XU-RP NAS Rack (3U) Ethernet LAN Black i3-8100

Brand : QNAP

Product code: TVS-1672XU-RP-I3-8G-US

Product name : TVS-1672XU-RP



- Two 10GbE SFP+ SmartNIC ports with iSER support accelerate large file sharing and intensive data transfer
 - PCIe expandability allows for graphics cards or 40GbE/ 25GbE/ 10GbE adapters to increase application performance
 - 4K media playback and online transcoding. Directly view on a TV/monitor via HDMI 2.0 output (up to 4K @60Hz)
 - Software-defined SSD RAID extra over-provisioning (from 1% to 60%) optimizes SSD random write speeds and extends SSD lifespan
 - Scalable storage supporting virtualization, containerized apps, centralized storage, backup, sharing, and disaster recovery
 - Comprehensive security management, providing a security portal for your NAS and helping you to stay informed of NAS status at all times
- Intel Core i3-8100, 8 GB DDR4, 2 x 10GbE SFP+, 4 x RJ45, 2 x Type-C USB 3.1 Gen2, 4 x Type-A USB 3.1 Gen2, 1 x HDMI 2.0, 3U, 2 x 500 W



Storage		Design	
Supported storage drive interfaces	Serial ATA, Serial ATA II, Serial ATA III	Cable lock slot type	Kensington
Storage drive sizes supported	2.5,3.5"	Performance	
Storage drives installed *	✗	Type *	NAS
Number of storage drives supported *	16	Backup function *	✓
Installed storage drive type *	✗	Noise level	49.7 dB
Supported storage drive types *	HDD & SSD	Reset button	✓
Processor		On/off switch	✓
Processor manufacturer *	Intel	Power	
Processor generation	8th gen Intel® Core™ i3	Power supply unit (PSU) capacity	300 W
Processor family *	Intel® Core™ i3	Number of power supply units	2
Processor model *	i3-8100	Redundant power supply (RPS) support	✓
Processor frequency *	3.6 GHz	Power consumption (typical)	126.33 W
Processor cores	4	AC input voltage	100 - 240 V
Processor threads	4	Fan voltage	12 V
Processor cache	6 MB	Weight & dimensions	
Bus type	DMI3	Width *	481 mm
CPU configuration (max)	1	Depth *	573.5 mm
ECC supported by processor	✗	Height *	130 mm
PCI Express configurations	1x16, 1x8+2x4, 2x8	Weight	15.3 kg
PCI Express slots version	3.0	Package weight	21.8 kg
Processor cache type	Smart Cache	Processor special features	
Processor codename	Coffee Lake	Embedded options available	✓
Processor lithography	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Execute Disable Bit	✓
Processor package size	37.5 x 37.5 mm	Idle States	✓
Processor socket	LGA 1151 (Socket H4)	Intel 64	✓
Scalability	1S	Intel Clear Video Technology	✓
System bus rate	8 GT/s	Intel Enhanced Halt State	✓
Tjunction	100 °C	Intel Identity Protection Technology version	1.00
Thermal Design Power (TDP)	65 W	Intel Secure Key Technology version	1.00
On-board graphics card model	Intel® UHD Graphics 630	Intel Stable Image Platform Program (SIPP)	✗
Maximum internal memory supported by processor	64 GB		
Memory bandwidth supported by processor (max)	37.5 GB/s		

Processor		Processor special features	
Conflict-Free processor	✓	Intel Stable Image Platform Program (SIPP) version	0.00
Memory		Intel Trusted Execution Technology	✗
Internal memory type	DDR4	Intel TSX-NI	✗
Maximum RAM supported	64 GB	Intel TSX-NI version	0.00
Memory slots	4 x DIMM	Intel Virtualization Technology (VT-x)	✓
Internal memory *	8 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Flash memory	4000 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Network		Intel® AES New Instructions (Intel® AES-NI)	✓
Ethernet LAN *	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Wi-Fi	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Ports & interfaces		Intel® Identity Protection Technology (Intel® IPT)	✓
USB port *	✓	Intel® InTru™ 3D Technology	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4	Intel® OS Guard	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Intel® Quick Sync Video Technology	✓
Fiber ports quantity	2	Intel® Secure Key	✓
Fiber optic connector	SFP+	Intel® Turbo Boost Technology	✗
HDMI ports quantity	1	Maximum number of PCI Express lanes	16
HDMI version	2.0	Number of execution units	23
Ethernet LAN (RJ-45) ports *	4	Thermal Monitoring Technologies	✓
Graphics		Thermal solution specification	PCG 2015C
On-board graphics card base frequency	350 MHz	Memory channels supported by processor	Dual
On-board graphics card dynamic frequency (max)	1100 MHz	Memory types supported by processor	DDR4-SDRAM
On-board graphics card DirectX version	12.0	Operational conditions	
On-board graphics card OpenGL version	4.5	Operating temperature (T-T)	0 - 40 °C
On-board graphics card ID	0x3E91	Operating relative humidity (H-H)	5 - 95%
Maximum on-board graphics card memory	64 GB	Other features	
Number of displays supported (on-board graphics)	3	Processor ARK ID	126688
Design			
Chassis type *	Rack (3U)		
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	✓		

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