



# QNAP TVS-882 NAS Tower Ethernet LAN Grey i5-6500

Brand : QNAP

Product code: TVS-882-I5-16G-US

Product name : TVS-882

Intel Core i5-6500, 16 GB DDR4 RAM, 512MB DOM, M.2, SATA, HDMI, LAN, 250W  
QNAP TVS-882. Supported storage drive types: HDD & SSD, Storage drive interface: M.2, Serial ATA III, Storage drive size: 2.5/3.5". Processor family: Intel® Core™ i5, Processor manufacturer: Intel, Processor model: i5-6500. Internal memory: 16 GB, Internal memory type: DDR4, Maximum RAM supported: 32 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Supported network protocols: CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and.... On-board graphics card base frequency: 350 MHz, On-board graphics card dynamic frequency (max): 1050 MHz, Maximum on-board graphics card memory: 1.74 GB



Storage		Performance	
Storage drive interface *	M.2, Serial ATA III	On/off switch	✓
Storage drive size	2.5/3.5"	Built-in FTP server	✓
RAID support *	✓	Browser supported	Microsoft Internet Explorer 10, Google Chrome, Apple Safari 7, Mozilla Firefox
RAID levels	0, 1, 5, 6, JBOD		
Hot-swap drive bays	✓		
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4		
Storage drives installed *	✗		
Number of storage drives supported *	10		
Installed storage drive type *	✗		
Supported storage drive types *	HDD & SSD		
Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	QNAP Turbo NAS System
Processor generation	6th gen Intel® Core™ i5	Operating system version	4.2
Processor family *	Intel® Core™ i5		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 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 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Processor model *	i5-6500	Windows operating systems supported	
Processor frequency *	3.2 GHz		
Processor boost frequency	3.6 GHz		
Processor cores	4		
Processor threads	4		
Processor cache	6 MB		
Bus type	DMI3		
CPU configuration (max)	1	Linux operating systems supported	✓
ECC supported by processor	✗		Mac OS X 10.0 Cheetah, Mac OS X 10.1 Puma, Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.2 Jaguar, Mac OS X 10.3 Panther, Mac OS X 10.4 Tiger, Mac OS X 10.5 Leopard, Mac OS X 10.6 Snow Leopard, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
PCI Express configurations	1x16, 2x8, 1x8+2x4	Mac operating systems supported	
PCI Express slots version	3.0		Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2
Processor cache type	Smart Cache		
Processor code	SR2BX		
Processor codename	Skylake		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor package size	37.5 x 37.5 mm	Server operating systems supported	
Processor series	Intel Core i5-6500 Desktop series		
Processor socket	LGA 1151 (Socket H4)		
Scalability	1S		
Stepping	R0		
		Power	
		Power supply location	Built-in

<b>Processor</b>		<b>Power</b>	
System bus rate	8 GT/s	Power supply unit (PSU) capacity	250 W
Tcase	71 °C	AC input voltage	100-240 V
Thermal Design Power (TDP)	65 W	AC input frequency	50 - 60 Hz
On-board graphics card model	Intel® HD Graphics 530	Output current	1.5 A
Maximum internal memory supported by processor	64 GB	<b>Weight &amp; dimensions</b>	
Memory bandwidth supported by processor (max)	34.1 GB/s	Width *	292.8 mm
Conflict-Free processor	✓	Depth *	319.8 mm
<b>Memory</b>		Height *	231.9 mm
Internal memory type	DDR4	Weight	9.05 kg
Maximum RAM supported	32 GB	Package weight	10.8 kg
Memory slots	4	<b>Packaging content</b>	
Internal memory *	16 GB	Cables included	AC, LAN (RJ-45)
Flash memory	512 MB	Quick installation guide	✓
<b>Network</b>		Number of screws	28
Ethernet LAN *	✓	<b>Processor special features</b>	
Ethernet LAN data rates	10,100,1000 Mbit/s	Embedded options available	✓
Wi-Fi	✗	Enhanced Intel SpeedStep Technology	✓
DHCP client	✓	Execute Disable Bit	✓
DHCP server	✓	Graphics & IMC lithography	14 nm
Jumbo frames support	✓	Idle States	✓
iSCSI support	✓	Intel 64	✓
Wake-on-LAN ready	✓	Intel Clear Video Technology	✓
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC	Intel Enhanced Halt State	✓
<b>Ports &amp; interfaces</b>		Intel Identity Protection Technology version	1.00
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	5	Intel Secure Key Technology version	1.00
HDMI ports quantity	3	Intel Small Business Advantage (SBA) version	1.00
Ethernet LAN (RJ-45) ports *	4	Intel Stable Image Platform Program (SIPP)	✓
<b>Graphics</b>		Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card base frequency	350 MHz	Intel Trusted Execution Technology	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Intel TSX-NI	✓
On-board graphics card DirectX version	12.0	Intel TSX-NI version	1.00
On-board graphics card OpenGL version	4.4	Intel Virtualization Technology (VT-x)	✓
On-board graphics card ID	1912	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum on-board graphics card memory	1.74 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of displays supported (on-board graphics)	3	Intel® AES New Instructions (Intel® AES-NI)	✓
<b>Design</b>		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Chassis type *	Tower	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Cooling type *	Active	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Product colour	Grey	Intel® Identity Protection Technology (Intel® IPT)	✓
Number of fans	2 fan(s)	Intel® Insider™	✓
Fan diameter	8 cm	Intel® InTru™ 3D Technology	✓
LED indicators	✓	Intel® OS Guard	✓
Built-in display	✓	Intel® Quick Sync Video Technology	✓
Display type	LCD	Intel® Secure Key	✓
<b>Performance</b>		Intel® Smart Cache	✓
Type *	NAS	Intel® Turbo Boost Technology	2.0
Device class *	Home & Home Office	Intel® Wireless Display (Intel® WiDi)	✓
Backup function *	✓		
Backup features	Cloud, iSCSI LUN		

Performance		Processor special features	
Buzzer	✓	Maximum number of PCI Express lanes	16
Multilingual support	✓	Thermal Monitoring Technologies	✓
Noise level	21.8 dB	Thermal solution specification	PCG 2015C
Security algorithms	HTTPS, SNMP, SSL/TLS	Memory channels supported by processor	Dual
Access Control List (ACL)	✓	Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM
Reset button	✓	Memory voltage supported by processor	1.35 V
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Other features	
		Power management	✓
		Processor ARK ID	88184

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