

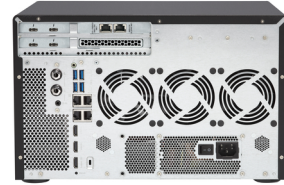
QNAP TVS-1282T3 NAS Tower Ethernet LAN Black i5-7500

Brand : QNAP

Product code: TVS-1282T3-I5-16G-US

Product name : TVS-1282T3

Intel Core i5-7500 (3.4/3.8GHz), 16GB DDR4 (2133MHz), GbE LAN
 QNAP TVS-1282T3. Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 6, 10, 10+HS, JBOD, Supported file systems: FAT32, HFS+, NTFS, ext3, ext4. Processor family: Intel® Core™ i5, Processor manufacturer: Intel, Processor model: i5-7500. Internal memory: 16 GB, Internal memory type: DDR4, Memory clock speed: 2133 MHz. Ethernet LAN data rates: 10,100,1000,10000 Mbit/s, Ethernet LAN data rate supported (max): 10000 Mbit/s, Supported network protocols: CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SMTP, SMSC. On-board graphics card base frequency: 350 MHz, On-board graphics card dynamic frequency (max): 1100 MHz, Maximum on-board graphics card memory: 64 GB



Storage		Performance	
RAID support *	✓	Buzzer	✓
RAID levels	0, 1, 6, 10, 10+HS, JBOD	Multilingual support	✓
Hot-swap drive bays	✓	Noise level	21.6 dB
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Management protocols	SNMP
Storage drives installed *	✗	Web-based management	✓
Number of storage drives supported *	12	Security algorithms	256-bit AES, HTTPS, SSH
Installed storage drive type *	✗	Reset button	✓
Supported storage drive types *	HDD & SSD	On/off switch	✓
Processor		Built-in iTunes server	✓
Processor manufacturer *	Intel	Built-in FTP server	✓
Processor generation	7th gen Intel® Core™ i5	Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7+, Mozilla Firefox
Processor family *	Intel® Core™ i5	Hot spare	✓
Processor model *	i5-7500	S.M.A.R.T. support	✓
Processor frequency *	3.4 GHz	Remotely operated	✓
Processor boost frequency	3.8 GHz	Software	
Processor cores	4	Operating system installed *	QNAP Turbo System
Processor threads	4	Operating system version	4.3
Processor cache	6 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 code	SR335		
Processor codename	Kaby Lake		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor package size	37.5 x 37.5 mm		
Processor series	Intel Core i5-7500 Desktop Series		
Processor socket	LGA 1151 (Socket H4)		
Scalability	1S		
Stepping	B0		
System bus rate	8 GT/s		
Tjunction	100 °C		

Processor		Software	
Thermal Design Power (TDP)	65 W		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 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 8.1, Windows 8.1 Enterprise, Windows 8.1 Enterprise x64, Windows 8.1 Pro, Windows 8.1 Pro x64, Windows 8.1 x64
On-board graphics card model	Intel® HD Graphics 630		
Maximum internal memory supported by processor	64 GB		
Conflict-Free processor	✓		
Memory		Windows operating systems supported	
Internal memory type	DDR4		
Memory clock speed	2133 MHz		
Maximum RAM supported	64 GB		
Memory slots	4 x DIMM		
Internal memory *	16 GB		
Flash memory	512 MB		
Network		Linux operating systems supported	✓
Ethernet LAN *	✓	Mac operating systems supported	✓
Ethernet LAN data rates	10,100,1000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗	Server operating systems supported	Windows Server 2003, Windows Server 2003 R2, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2
DHCP client	✓		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SMTP, SMSC		
Ports & interfaces		Power	
USB port *	✓	Power supply location	Built-in
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	5	Power supply unit (PSU) capacity	250 W
HDMI ports quantity	3	Number of power supply units	1
Ethernet LAN (RJ-45) ports *	6	AC input voltage	100-240 V
Thunderbolt 3 ports quantity	4	AC input frequency	50 - 60 Hz
6.35 mm (1/4-inch) input	2	Weight & dimensions	
PCI Express x4 (Gen 3.x) slots	1	Width *	369.9 mm
PCI Express x8 (Gen 3.x) slots	2	Depth *	319.8 mm
Graphics		Height *	234.6 mm
On-board graphics card base frequency	350 MHz	Weight	11.6 kg
On-board graphics card dynamic frequency (max)	1100 MHz	Package weight	13.7 kg
On-board graphics card DirectX version	12.0	Packaging content	
On-board graphics card OpenGL version	4.4	Cables included	AC, LAN (RJ-45)
On-board graphics card ID	5912	Number of screws	26
Maximum on-board graphics card memory	64 GB	Remote control included	✓
Number of displays supported (on-board graphics)	3	Processor special features	
Design		Embedded options available	✓
Chassis type *	Tower	Enhanced Intel SpeedStep Technology	✓
Cooling type *	Active	Execute Disable Bit	✓
Product colour	Black	Idle States	✓
Number of fans	3 fan(s)	Intel 64	✓
Fan diameter	8 cm	Intel Clear Video Technology	✓
LED indicators	HDD, SSD	Intel Enhanced Halt State	✓
Built-in display	✓	Intel Identity Protection Technology version	1.00
Display type	LCD	Intel Secure Key Technology version	1.00
Built-in speaker(s)	✓	Intel Stable Image Platform Program (SIPP)	✓
Number of built-in speakers	2	Intel Stable Image Platform Program (SIPP) version	1.00
		Intel Trusted Execution Technology	✓
		Intel TSX-NI	✓
		Intel TSX-NI version	1.00

Performance		Processor special features	
Type *	NAS	Intel Virtualization Technology (VT-x)	✓
Device class *	Small & Medium Business	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Backup function *	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Backup features	Cloud, USB drive, iSCSI LUN	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	DDR3L-SDRAM, DDR4-SDRAM
		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			
		Processor ARK ID	97123

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