



QNAP TVS-882ST2 NAS Tower Intel® Core™ i5 i5-6442EQ 8 GB DDR4 16 TB HDD QNAP Turbo System Black

Brand : QNAP

Product code: TVS-882ST2-I5-8G/16TB-IWP

Product name : TVS-882ST2

8 x2.5" SSD/HDD, 16TB, 8GB DDR4, 2 x Thunderbolt 2, 10GbE

QNAP TVS-882ST2 NAS Tower Intel® Core™ i5 i5-6442EQ 8 GB DDR4 16 TB HDD QNAP Turbo System Black:

The TVS-882ST2 is powered by an Intel® 6th Generation Core™ i5 Quad-core processor with AES-NI hardware encryption and provides a Thunderbolt™ 2/NAS/iSCSI SAN triple solution. With Thunderbolt™ 2, 10GbE, USB 3.1 Type-C + Type-A 10Gbps, and 4K output it provides the performance and connectivity to empower small offices and studios to take their business to the next level. The software-based Thunderbolt-to-Ethernet (T2E) function also allows Thunderbolt-enabled computers to access Ethernet networks by connecting them to the TVS-882ST2.

QNAP TVS-882ST2. Type: NAS. Chassis type: Tower. Device class: Small & Medium Business. Processor family: Intel® Core™ i5, Processor model: i5-6442EQ, Processor frequency: 1,9 GHz. Internal memory: 8 GB, Internal memory type: DDR4. Total installed storage capacity: 16 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System



Storage		Performance	
Storage drive capacity *	2 TB	Type *	NAS
Storage drive interface *	Serial ATA III	Device class *	Small & Medium Business
Supported storage drive interfaces	Serial ATA III	Backup function *	✓
Storage drive sizes supported	2.5"	Backup features	Cloud, USB drive, iSCSI LUN
RAID support *	✓	Multilingual support	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Noise level	15,2 dB
Online RAID migration	✓	Third-party support	✓
Online RAID expansion	✓	Built-in optical drive	✗
Hot-swap drive bays	✓	Video input channels	72 channels
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Card reader integrated	✗
Storage drives installed *	✓	Snapshot	✓
Total installed storage capacity *	16 TB	Management protocols	SNMP v2/3
Number of storage drives installed *	8	Web-based management	✓
Number of storage drives supported *	8	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Installed storage drive type *	HDD	Access Control List (ACL)	✓
Supported storage drive types *	HDD & SSD	Reset button	✓
Bad block scan	✓	On/off switch	✓
Disk roaming	✓	Built-in UPnP AV media server	✓
Processor		Built-in iTunes server	✓
Processor manufacturer *	Intel	Built-in FTP server	✓
Processor generation	6th gen Intel® Core™ i5	Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7+, Mozilla Firefox
Processor family *	Intel® Core™ i5	System log	✓
Processor model *	i5-6442EQ	Password authentication	✓
Processor frequency *	1,9 GHz	S.M.A.R.T. support	✓
Processor boost frequency	2,7 GHz	Remotely operated	✓
Processor cores	4	Backup button	✓
Processor threads	4	Universal Plug and Play (UPnP)	✓
Processor cache	6 MB	USB copy function	✓
Bus type	DMI3	Software	
CPU configuration (max)	1	Operating system installed *	QNAP Turbo System
ECC supported by processor	✗	Operating system version	4,3
PCI Express configurations	1x16, 1x8+2x4, 2x8		
PCI Express slots version	3.0		
Processor cache type	Smart Cache		

Processor		Software	
Processor code	SR2DY	Windows operating systems supported	✓
Processor codename	Skylake	Linux operating systems supported	✓
Processor lithography	14 nm	Mac operating systems supported	✓
Processor operating modes	64-bit	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Processor package size	42 x 28 mm		
Processor series	Intel Core i5-6400 Mobile series		
Processor socket	BGA 1440		
Stepping	R0		
System bus rate	8 GT/s	Power	
Tcase	100 °C	Power supply location	Built-in
Tjunction	100 °C	Power supply unit (PSU) capacity	250 W
Thermal Design Power (TDP)	25 W	Number of power supply units	1
On-board graphics card model	Intel® HD Graphics 530	Redundant power supply (RPS) support	✗
Maximum internal memory supported by processor	64 GB	AC input voltage	100 - 240 V
Memory bandwidth supported by processor (max)	34,1 GB/s	AC input frequency	50 / 60 Hz
Conflict-Free processor	✓	Fan voltage	12 V
Memory		Weight & dimensions	
Internal memory *	8 GB	Width *	180 mm
Internal memory type	DDR4	Depth *	235 mm
Maximum RAM supported	32 GB	Height *	177 mm
Memory slots	2	Weight	3,97 kg
Memory form factor	SO-DIMM	Packaging content	
Flash memory	512 MB	Cables included	AC, LAN (RJ-45)
Network		Quick installation guide	✓
Ethernet LAN *	✓	Number of screws	32
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Remote control included	✓
Ethernet LAN data rate supported (max)	10000 Mbit/s	Processor special features	
Copper ethernet cabling technology	10BASE-T, 10GBASE-T, 100BASE-TX, 1000BASE-T	Embedded options available	✓
DHCP client	✓	Enhanced Intel SpeedStep Technology	✓
DHCP server	✓	Execute Disable Bit	✓
Jumbo frames support	✓	Graphics & IMC lithography	14 nm
iSCSI support	✓	Idle States	✓
Wake-on-LAN ready	✓	Intel 64	✓
Dynamic DNS (DDNS)	✓	Intel Clear Video Technology	✓
WLAN adapter supported	✓	Intel Enhanced Halt State	✓
Ports & interfaces		Intel HD Graphics	✓
USB port *	✓	Intel Identity Protection Technology version	1,00
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Intel Secure Key Technology version	1,00
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	Intel Trusted Execution Technology	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Intel TSX-NI	✓
HDMI ports quantity	1	Intel TSX-NI version	1,00
Ethernet LAN (RJ-45) ports *	4	Intel Virtualization Technology (VT-x)	✓
Thunderbolt 2 ports quantity	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
3.5 mm (1/8-inch) out	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Microphone in	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express x4 (Gen 3.x) slots	1	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
PCI Express x8 (Gen 3.x) slots	1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Graphics		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card base frequency	350 MHz	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card dynamic frequency (max)	1000 MHz		

Graphics		Processor special features	
On-board graphics card DirectX version	12.0	Intel® Insider™	✓
On-board graphics card OpenGL version	4.4	Intel® InTru™ 3D Technology	✓
On-board graphics card ID	0x191B	Intel® OS Guard	✓
Maximum on-board graphics card memory	64 GB	Intel® Quick Sync Video Technology	✓
Number of displays supported (on-board graphics)	3	Intel® Secure Key	✓
Design		Intel® Turbo Boost Technology	2.0
		Intel® Wireless Display (Intel® WiDi)	✓
		Maximum number of PCI Express lanes	16
		Thermal Monitoring Technologies	✓
		Memory channels supported by processor	Dual
		Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM, LPDDR3-SDRAM
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Other features	
		Digital Living Network Alliance (DLNA) certified	✓
		Processor ARK ID	90617
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Black		
Number of fans	1 fan(s)		
Fan diameter	12 cm		
Drive bay locking	✗		
LED indicators	✓		
Built-in display	✓		
Display type	LCD		
Cable lock slot	✓		
Cable lock slot type	Kensington		
Built-in speaker(s)	✗		

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