

Compact 8-bay Thunderbolt™ 3 NAS

# TVS-882ST3

High-performance Thunderbolt™ 3 storage for Windows and Mac

**QNAP**



Using your NAS as a PC

## T2E Converter Technology (Thunderbolt to Ethernet)

The TVS-882ST3 allows Thunderbolt-enabled devices to access 10GbE networks

2 x Thunderbolt 3 port

Dual 10GBASE-T ports

USB 3.1 Gen 2  
10Gbps Type-C port



## 2 Dual network technologies

Thunderbolt™  
Ethernet network

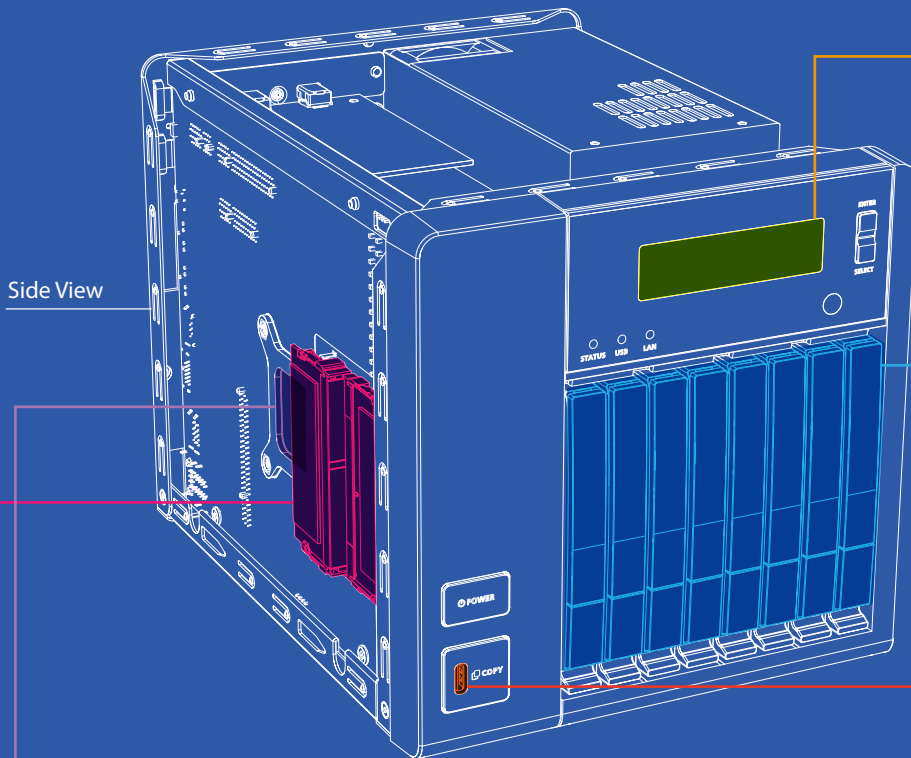
## 3 Modes in one device

Thunderbolt™  
NAS  
iSCSI

## 4 Use cases

High scalability (vNAS+JBOD+JBOD)  
High usability (Mac+vNAS+JBOD)  
High-speed sharing (Mac\*2+vNAS)  
Flexible traffic distribution (Mac+vNAS+vNAS+Mac)

# TVS-882ST3 *Thunderbolt™ 3 NAS*



**1 LCD Panel**  
Quickly look up Thunderbolt IP and NAS IP

**2 Eight 2.5" hard disk trays**  
Native SATA 6Gb/s ports for optimal performance

**3 USB 3.1 Type-C port**  
10Gb/s high-speed transmission of USB 3.1 external drive data with copy button support

**4 Intel® 6th Generation 14nm Core™ quad-core energy-efficient processor**

**5 DDR4 2133MHz RAM**  
Two SO-DIMM memory slots support up to 32GB RAM (2x 16GB)

**6 Thunderbolt 3 port x2**  
Industry-leading converged storage with Thunderbolt DAS/NAS/iSCSI connectivity

**7 10GbE 10GBASE-T port x2**  
Optimized network traffic distribution for high-bandwidth applications

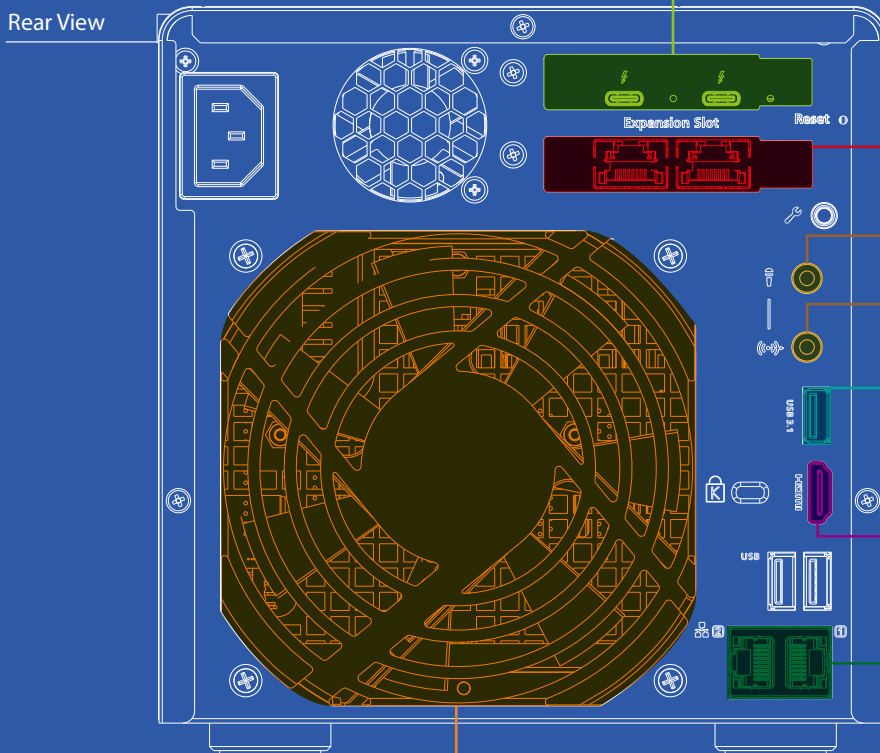
**8 3.5 mm audio input and output**  
Connect to an amplifier or microphone for audio applications

**9 USB 3.1 10Gbps Type-A port**  
Compatible with legacy USB 3.0 and USB 2.0 devices

**10 4K UHD HDMI port**  
Capable of 4K 30FPS video output

**11 Gigabit network port x2**  
Ideal for service binding, port trunking, and MPIO configurations

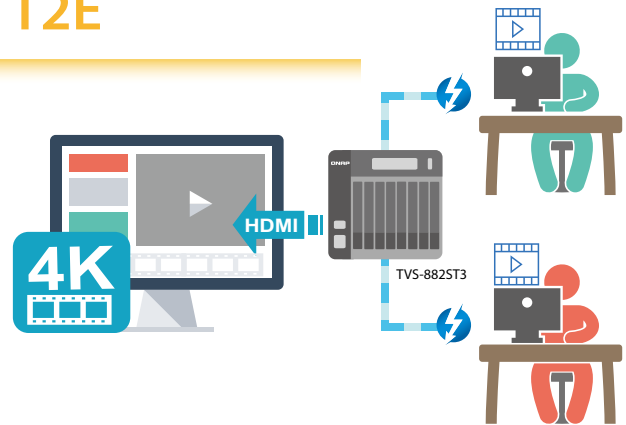
**12 12 cm cooling fan**



# Thunderbolt™ Networking, NAS, iSCSI SAN 3-in-1 Storage Solution with T2E

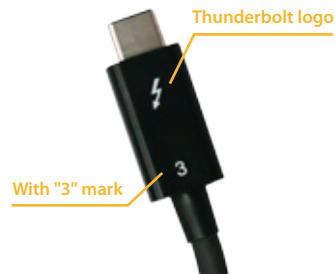
## QNAP Thunderbolt™ 3 storage solution

The TVS-882ST3 is a compact storage solution with an Intel® 6th-generation Core™ i5/Core™ i7 quad-core processor. Featuring three storage modes (Thunderbolt™ 3/NAS/iSCSI SAN) and with Thunderbolt™ 3, 10GbE, USB 3.1 Type-C + Type-A 10Gbps, and HDMI connectivity, the TVS-882ST3 is the ultimate storage solution for 4K video post-production or as a storage base for 10GbE networks.



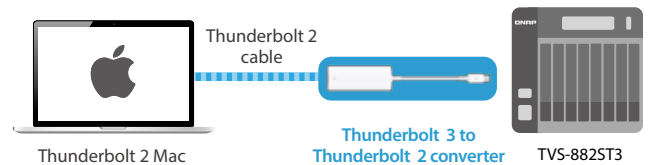
## New Thunderbolt™ 3 cable

Thunderbolt 3 uses reversible USB Type-C cables for greater convenience and connectivity. However, many USB Type-C cables offer different protocols (USB 3.1, Thunderbolt) and performance levels (20 Gbps, 40 Gbps). In order to tell the difference, Thunderbolt™ 3 cables have a Thunderbolt™ logo and "3" on one side of the connector.



## Thunderbolt 2 to Thunderbolt™ 3 adapter

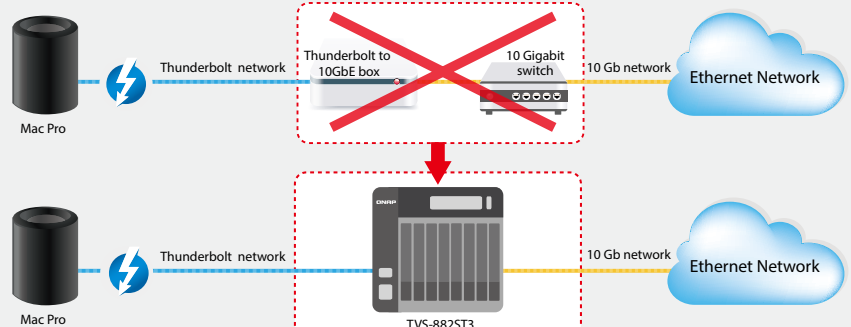
Devices with Thunderbolt 2 connectors can connect to the TVS-882ST3 by using a suitable adapter.



## Mac 10Gb Speed Networking

### T2E Converter (Thunderbolt to Ethernet)

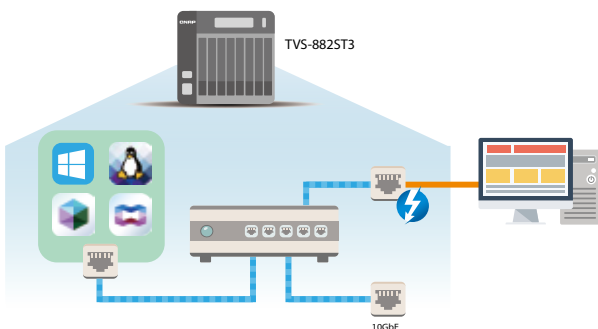
The TVS-882ST3 features Thunderbolt-to-Ethernet (T2E) functionality that allows Thunderbolt-enabled devices to access 10GbE network resources via the NAS. This eliminates the need for extra converters, and makes it easier to adopt 10GbE infrastructure.



## Two Thunderbolt network access modes

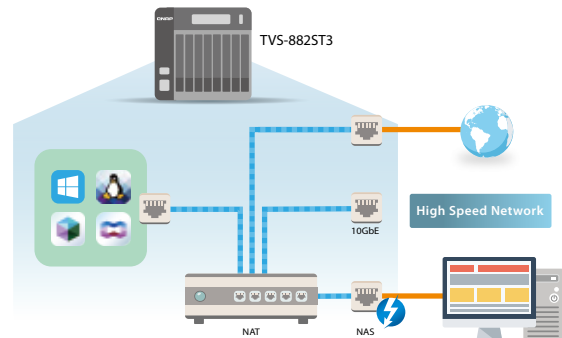
### 1 T2E Converter

Through Thunderbolt to Ethernet virtual switch network configuration and interface card binding, you can create a two-way network transmission environment. QNAP NAS helps you easily bridge physical and virtual interface cards, and is your versatile Thunderbolt Converter.



### 2 Thunderbolt Residential Gateway (NAT)

By enabling the NAT service of the Thunderbolt Virtual Switch in Qfinder Pro, Thunderbolt devices can be connected to all network ports and virtual machines through the NAS, without configuring complicated network settings.



Note : Thunderbolt devices under a NAT architecture are unable to support end-to-end host connections and some of the Internet protocols.



## Hardware Specifications

Ordering SKUs	TVS-882ST3-i7-16G	TVS-882ST3-i7-8G	TVS-882ST3-i5-8G
CPU	Intel® Core™ i7-6700HQ quad-core 2.6 GHz, up to 3.5 GHz		Intel® Core™ i5-6442EQ quad-core 1.9 GHz, up to 2.7 GHz
Encryption Acceleration	✓, AES-NI		
System Memory	16GB (2 x 8GB)	8GB (2 x 4GB)	
Maximum Memory	32GB (2 x 16GB)		
Number of Memory Slots	2 x DDR4 SODIMM slots (For dual-DIMM configuration, you must use a pair of identical DDR4 modules.)		
Flash	512MB		
Drive	8 x 2.5" SATA 6Gb/s HDD/SSD		
Thunderbolt port	2 x Thunderbolt 3		
10GbE LAN Port	2 x 10GBASE-T		
GbE LAN Port	2 x RJ45		
USB 3.1 Port	1 x Type-C + 1 x Type-A USB 3.1 Gen2 10Gbps		
USB 3.0 Port	2		
LCD Panel	✓		
PCIe Slot	2 (1 PCIe 3.0 x8 + 1 PCIe 3.0 x4) Note: Pre-installed with a Thunderbolt 3 card and a 10GbE card.		
HDMI Port	1, up to 3846 x 2160p/30 Hz		
Audio Input	3.5 mm microphone input jack		
Audio Output	3.5 mm line out jack		
LED Indicators	Status/Power, USB, LAN, Drive 1-8		
Buttons	Power, USB copy, reset, select, enter		
Infrared Receiver	✓, supplied with QNAP RM-IR004 remote control and compatible with MCE remote control		
Other Interfaces	Kensington security slot, maintenance port		
Dimension (HxWxD)	177 x 180 x 235 mm 6.97 x 7.09 x 9.25 inch		
Weight	3.97 kg (8.75 lbs)		
Operating Temperature	0 ~ 40°C (32°F ~ 104°F)		
Relative Humidity	5~95% RH non-condensing, wet bulb: 27°C (80.6°F)		
Noise Level	15.2 dB (A) Refer to ISO 7779 ; Maximum HDD loaded ; Bystander Position ; Average data from 1 meter in front of operating NAS.		
Power Supply	ATX 240W, Input: 100V-240V ~ / 3.5A, 47Hz-63Hz		
Fan	1 x 12 cm (12V DC)		

## Package Contents

- NAS
- Quick installation guide
- Power cord
- Screws
- RM-IR004 remote control
- 2 RJ45 ethernet cables
- 2 RJ45 10GbE CAT6A cables

※ Model specifications are subject to change without notice.  
Please refer to [www.qnap.com](http://www.qnap.com) for the latest information.

## QNAP SYSTEMS, INC.

TEL : +886-2-2641-2000 FAX: +886-2-2641-0555 Email: [qnap-sales@qnap.com](mailto:qnap-sales@qnap.com)

Address : 3F, No.22, Zhongxing Rd., Xizhi Dist., New Taipei City, 221, Taiwan

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### Netherlands (Warehouse Services)

Email: [nlsales@qnap.com](mailto:nlsales@qnap.com)  
TEL: +31(0)107600830

### China

Email: [cnsales@qnap.com](mailto:cnsales@qnap.com)  
TEL: +86-400-028-0079

### Thailand

Email: [thsales@qnap.com](mailto:thsales@qnap.com)  
TEL: +66-2-5415988

### Japan

Email: [jpsales@qnap.com](mailto:jpsales@qnap.com)  
FAX: 03-6435-9686

### US

Email: [usasales@qnap.com](mailto:usasales@qnap.com)  
TEL: +1-909-595-2782

### India

Email: [indiasales@qnap.com](mailto:indiasales@qnap.com)

### Germany

Email: [desales@qnap.com](mailto:desales@qnap.com)

### France

Email: [frsales@qnap.com](mailto:frsales@qnap.com)



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