Apple Mac's Best Storage Companion

TVS-882ST
Thunderbolt NAS

Thunderbolt, NAS, iSCSI SAN, and Thunderbolt to Ethernet Converter (T2E)
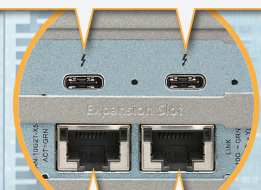
QNAP

4K2K UHD
Q vPC
Technology

Using your NAS as a PC

T2E Converter Technology
(Thunderbolt to Ethernet)

Thunderbolt Connection to TVS-882ST Gives the Mac Access to 10GbE High-Speed Network

2 x Thunderbolt 3 port:
TVS-882ST3-i7-16G/TVS-882ST3-i7-8G/TVS-882ST3-i5-8G
2 x Thunderbolt 2 port:
TVS-882ST2-i7-16G/TVS-882ST2-i7-8G/TVS-882ST2-i5-8G

Dual 10GBASE-T network port

QNAP

TVS-882ST
169.254.100.100

USB 3.1 Gen 2
10Gbps Type-C port

THUNDERBOLT

intel CORE i7 inside

intel CORE i5 inside

Type A+C
USB 3.1 10Gb/s

DDR4
Max 32GB RAM

10GbE
2 x 10GbE
10GBASE-T

2.5"
SATA 6Gb/s
SSD/HDD

2 Dual network technologies
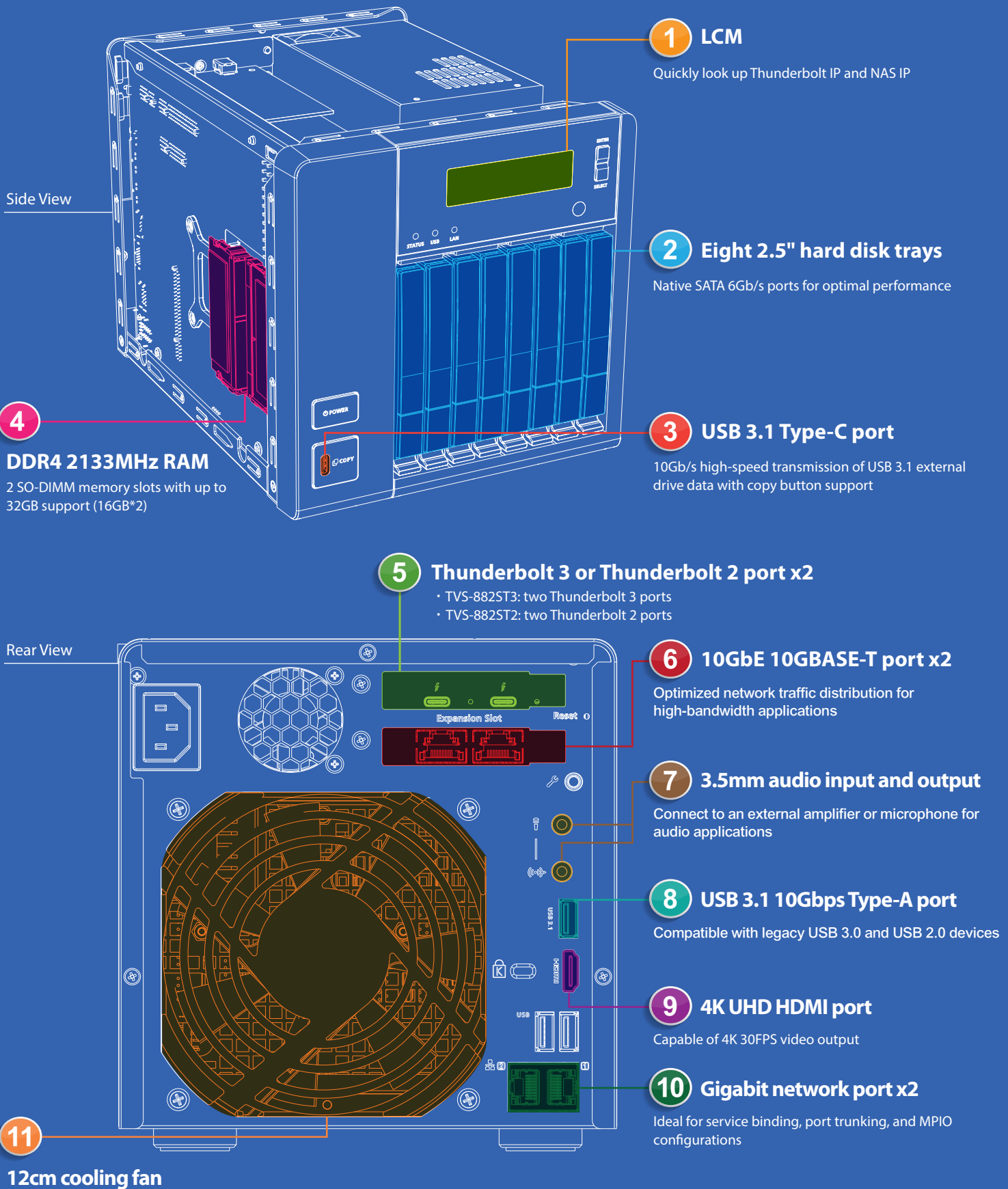Thunderbolt™
Ethernet network

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)
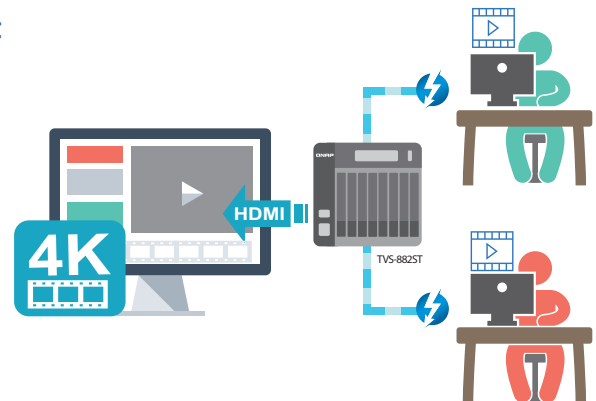Flexible traffic distribution (Mac+vNAS+vNAS+Mac)

TVS-882ST *Thunderbolt NAS*

Side View

1 LCM

Quickly look up Thunderbolt IP and NAS IP

2 Eight 2.5" hard disk trays

Native SATA 6Gb/s ports for optimal performance

4 DDR4 2133MHz RAM

2 SO-DIMM memory slots with up to 32GB support (16GB*2)

3 USB 3.1 Type-C port

10Gb/s high-speed transmission of USB 3.1 external drive data with copy button support

5 Thunderbolt 3 or Thunderbolt 2 port x2

· TVS-882ST3: two Thunderbolt 3 ports
· TVS-882ST2: two Thunderbolt 2 ports

Rear View

6 10GbE 10GBASE-T port x2

Optimized network traffic distribution for high-bandwidth applications

7 3.5mm audio input and output

Connect to an external amplifier or microphone for audio applications

8 USB 3.1 10Gbps Type-A port

Compatible with legacy USB 3.0 and USB 2.0 devices

9 4K UHD HDMI port

Capable of 4K 30FPS video output

10 Gigabit network port x2

Ideal for service binding, port trunking, and MPIO configurations

11 12cm cooling fan

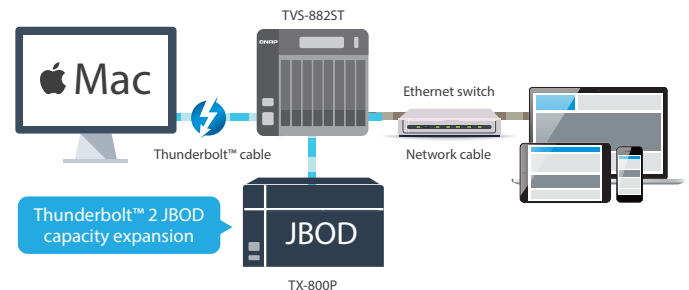# Thunderbolt™ Networking, NAS, iSCSI SAN 3-in-1 Storage Solution with T2E

QNAP Thunderbolt™ storage solution, the world's first Thunderbolt™ NAS with extraordinary performance

QNAP TVS-882ST series is a compact storage solution equipped with Thunderbolt™ and 10GbE technologies. It has three modes (Thunderbolt/NAS/iSCSI SAN) and is presented in a compact design. TVS-882ST is available in two different models: TVS-882ST3 with two Thunderbolt 3 ports and TVS-882ST2 with two Thunderbolt 2 ports. With its Thunderbolt™ technology and the included dual 10 Gigabit Ethernet (10GbE), TVS-882ST gives you the ultimate flexibility. Designed for Mac and Windows PC with Thunderbolt technology, TVS-882ST series is the ultimate storage solution for 4K audio and video post-production process or 10GbE file storage and backup.
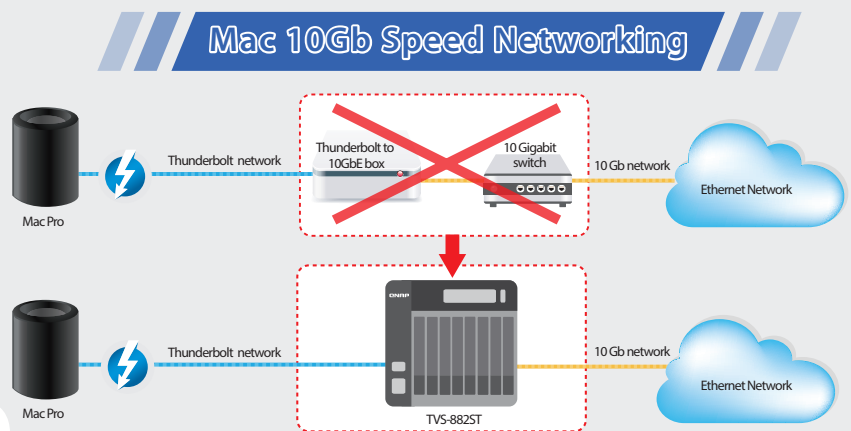
Thunderbolt™ storage expansion device

QNAP TX-500P and TX-800P storage expansion devices are the most cost-effective and simple storage expansion solution for the smallest and lightest expansion devices designed for home and small and medium businesses. TVS-882ST can connect up to six TX-800P and TX-500P in series to offer more than 400 TB of raw capacity. Thunderbolt™ meets your needs for data backup, photo archiving and audio/video data storage.
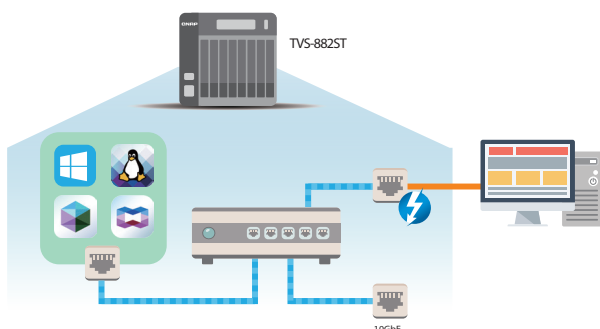
T2E Converter (Thunderbolt to Ethernet)

Apple Mac products have no built-in 10Gb network port, so Mac users need to buy "Thunderbolt to 10Gb converter" to connect to 10Gb network. TVS-882ST virtual switch's T2E function is similar to the "Thunderbolt to 10Gb converter". In general, Mac products can not only access the data in TVS-882ST through Thunderbolt, but also directly connect to the high-speed network through the TVS-882ST 10Gb network port, eliminating the cost of buying an additional "Thunderbolt to 10Gb converter".

Mac 10Gb Speed Networking

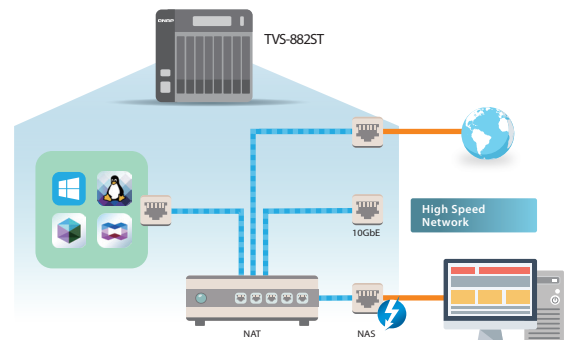## Two Thunderbolt network access modes

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.

Overview

Hardware Specifications

Ordering SKUs	TVS-882ST3-i7-16G	TVS-882ST3-i7-8G	TVS-882ST3-i5-8G	TVS-882ST2-i7-16G	TVS-882ST2-i7-8G	TVS-882ST2-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	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 Accleration	✓ , AES-NI					
System Memory	16GB (2 x 8GB)	8GB (2 x 4GB)		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			2 x Thunderbolt 2		
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					
LCM Display	✓					
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.			2 (1 PCIe 3.0 x8 + 1 PCIe 3.0 x4) Note: Pre-installed with a Thunderbolt 2 card and a 10GbE card.		
HDMI Port	1, up to 3846 x 2160p/30 Hz					
Audio Input	3.5mm microphone input jack					
Audio Output	3.5mm 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 (8.75lbs)					
Operating Temperature	0 ~ 40°C (32°F ~ 104°F)					
Relatie 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

※ All specifications are subject to change without notice. For more information, please go to www.qnap.com

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