Sonnet Twin25G

ProdCode: SONTWIN25GTB

Dual-port 25GbE Thunderbolt Adapter

[Download Images] (.zip file)

Features

- Dual-port 25GbE Thunderbolt Adapter
- 25 Gigabit Ethernet Thunderbolt Adapter with Two SFP28 Transceivers
- For computers with Thunderbolt™ 4 or Thunderbolt 3 ports
- **Adds High-performance 25GbE Connectivity**
  Simply powerful way to add dual optical 25GbE connections to any computer with Thunderbolt 4 or Thunderbolt 3 ports.
- **SFP28 Transceivers Included**
  High-performance adapter includes two 25GBASE SFP28 transceivers.
- **Backward Compatible**
  Adapter also supports 10GbE — enables you to integrate with 10GbE infrastructure now and upgrade your switch or shared storage system to 25GbE later.
- **Mac Compatible**
  Supports Macs with Thunderbolt 4, Thunderbolt/USB4, and Thunderbolt 3 ports.
- **Windows Compatible**
  Supports Windows computers with Thunderbolt 4 and Thunderbolt 3 ports.
- **Linux Compatible**
  Supports Linux computers with Thunderbolt 4 and Thunderbolt 3 ports.
- **40Gbps Thunderbolt Device**

40Gbps Thunderbolt supports the full bandwidth of one 25GbE port.

- **Two Thunderbolt Ports**
One port connects to computer; second port provides 15W for a Thunderbolt or USB 3 device; or to connect up to an 8K display.
- **Compact. Nearly Noiseless.**
Adapter is small enough to comfortably fit on any desktop, and quiet enough for use in noise-sensitive environments. You'll hardly notice it's there.

Incredible 25GbE Connectivity Over Thunderbolt

Many post-production shared storage workgroups and other bandwidth-intensive workflows have reached a point where 10Gb Ethernet (10GbE) does not provide enough bandwidth and speed for optimum performance. Stepping up to 25Gb Ethernet (25GbE) makes a lot of sense — it offers greater performance and often works with the same optical network infrastructure as 10GbE. For these workgroups, there is now a cost-effective 25GbE interface for your Mac®, Windows®, or Linux® computer with Thunderbolt™ 4 or Thunderbolt 3 ports — Sonnet's Twin25G™, an affordable yet powerful solution for adding incredibly-fast fiber optic 25GbE network connectivity.

Affordable 25GbE Networking

Postproduction workflows' needs for speed and increased network bandwidth beyond the current 10Gb standard have increased more quickly than the availability of affordable higher speed network components. Recently, extremely affordable 25Gb Ethernet switches have become available, but connecting a computer with Thunderbolt ports — such as a Mac Studio® — to a 25GbE infrastructure has remained expensive. Until now. Sonnet's Twin25G Thunderbolt adapter is the most cost-effective and powerfully simple solution for adding incredible 25GbE network connectivity to your computer without PCIe card slots.

Compact and Nearly Noiseless

Small enough to easily fit in most workspaces, the Twin25G adapter is still large enough to support proper airflow inside its case to enable the adapter's temperature-controlled, variable-speed fan to keep the adapter always running cool and quiet.

Everything You Need to Connect Is Included

Simply connect the Twin25G adapter to your computer via the included 40Gbps Thunderbolt cable, install a driver, install the included SFP28 modules, connect the adapter to the network switch or directly to 25GbE-enabled storage, and then configure the adapter's settings through the macOS® Network control panel, Windows Device Manager, or Linux command line (or graphical utility).

Efficient Performance

The Twin25G adapter attains high throughput performance with minimal host CPU

load. The adapter's smart controller has its own internal processing system with onboard memory to process TX/RX data while using few CPU resources. Once data appears in queues, TX checksums are computed on the fly as data is transmitted; RX checksums are quickly verified, and data is immediately passed directly to main memory. This independent controller action minimizes latency and avoids packet drops. The CPU is freed for other tasks.

40Gbps Thunderbolt Cable and ThunderLok 3 Included

Sonnet includes a Thunderbolt cable that supports Thunderbolt's full 40Gbps bandwidth, and is fully compatible with Thunderbolt 4 and Thunderbolt 3 computers. Sonnet also provides a ThunderLok™ 3 Thunderbolt connector retainer clip that prevents accidental cable disconnections — just slide it over one end of the cable, and then plug in the connector and secure it to the chassis by turning a thumbscrew. Because of its unique design, ThunderLok remains on the cable so it won't get lost when not in use.

- **Dual 40Gbps Thunderbolt Ports**
  One port is reserved for the connection to your Thunderbolt 4 or Thunderbolt 3 computer; the second port provides 15W for a Thunderbolt or USB 3 device; or to connect up to an 8K display.
- **10Gbps USB 3.2 Gen 2 Support**
  10Gbps USB 3.2 Gen 2 support allows you to connect a USB device to the second Thunderbolt port.
- **Provides 15W of Power**
  For peripherals requiring power, 15 watts is provided to bus-powered devices.
- **Supports Connecting One Up to 8K Display**
  Maximize the utilization of one computer Thunderbolt port, connecting the largest display supported by your computer.

In the box:

- Twin10G 25GbE Thunderbolt Adapter
- Thunderbolt cable(5)
- ThunderLok 3 Thunderbolt connector retainer clip
- Universal power adapter
- Region-specific power cable for US, Australia, Europe, Japan, Switzerland, or UK
- Documentation