

# Sonnet Fusion Dual 2.5-inch SSD RAID

ProdCode: SONFUSSSD2RAIDE

Dual 2.5-inch SSD PCIe 3.0 card with hardware RAID controller, plus 10Gbps USB-C port



[Download Images] (.zip file)

#### **Features**

- Dual 2.5-inch SSD PCIe 3.0 card with hardware RAID controller, plus 10Gbps USB-C port
- Add up to 8TB of SSD Storage

Mounts two cost-effective 2.5-inch SATA SSDs (sold separately) in a full-length PCIe slot

Great SSD Performance

Supports data transfers speeds up to 1000 MB/s<sup>(2)</sup>

Onboard Hardware RAID Controller

Supports RAID 0, RAID 1, Span, and JBOD configurations in macOS®, Windows, and Linux

• USB 3.2 Gen 2 USB-C Port

Includes SuperSpeed USB-C 10Gbps port to connect a fast external drive

Great USB Performance

Supports data transfers speeds up to 1000 MB/s<sup>(3)</sup>

Power for Peripherals

Supports a USB bus-powered SSD, SSD RAID, or hard drive device with up to 15W power

• Optimized for Thunderbolt

Use in Sonnet Thunderbolt expansion systems at full performance

Mac, Windows & Linux Compatible
 Supports Mac, Windows, and Linux computers with PCIe 3.0 slots

### **Mac Compatibility**

- Mac Pro 5,1 (Mid 2010 & Mid 2012) with available full-length PCIe slot
- Mac Pro 7,1 (2019)
- macOS 10.12.6+<sup>(4)</sup>
- macOS Catalina compatible

## **Windows Compatibility**

- Computer with available full-length, full-height PCIe slot (PCIe 3.0 slot is preferred)
- Windows 10, 8.1, 7
- Windows Server 2016, 2012, 2008 (64-bit editions)

### **Linux Compatibility**

- Computer with available full-length, full-height PCIe slot (PCIe 3.0 slot is preferred)
- Linux Kernel 5.0+

## **Thunderbolt Compatibility**

- Mac computer with Thunderbolt 2 or Thunderbolt 3 ports via a Thunderbolt 2 or 3 to PCle card expansion system with available full-length PCle slot
- Windows computer with Thunderbolt 3 ports via a Thunderbolt 3 to PCIe card expansion system with available full-length PCIe slot
- Linux computer with Thunderbolt 2 or Thunderbolt 3 ports via a Thunderbolt 2 or 3 to PCIe card expansion system with available full-length PCIe slot

#### **Technical Notes**

- As of 01/2020, the current maximum capacity of 2.5-inch SATA SSDs is 4TB.
   This product will support higher capacity SSDs as they become available.
   Read/Write performance measured with SanDisk Ultra II SSDs using ATTO Disk Benchmark, 64MB transfers.
- 2. This product's SSD performance will vary based on the type and number of SSDs used, simultaneous data transfers via the card's USB port, and the computer's PCIe architecture.
- 3. This product's USB performance will vary based on simultaneous data transfers via attached SSDs, and the computer's PCIe architecture.

<ol> <li>macOS 10.12 erroneously reports a 5Gbps connection when connected at 10Gbps.</li> </ol>

### Install Two 2.5-inch SATA SSDs into a PCle Card Slot

If you need faster, high-capacity internal storage for your desktop computer or server, 2.5-inch SATA SSDs are the cost-effective choice. Sonnet's Fusion™ Dual 2.5-inch SSD RAID PCIe card enables you to upgrade your system in a flash, mounting one or two SSDs (sold separately) with up to 8TB capacity(1) in a single full-length PCIe card slot, with no power or data cables, adapters, or mounting trays required.

#### **Great 2-Drive Hardware RAID 0 Performance**

Install the Sonnet Fusion card into a PCIe 3.0 slot of a computer or Thunderbolt 3 expansion system and achieve great transfer speeds up to 1000 MB/s! Still use a Mac Pro 5,1 tower? Enjoy performance up to 770 MB/s now, and migrate the Sonnet card to the new Mac Pro (2019) to enjoy even better performance.

## **Disk Striping**

Increases performance by interleaving data into blocks (stripes) across two or more drives simultaneously to increase speed.

#### **Fast RAID 1 Performance**

Looking for the safety of a simultaneous backup? RAID 1 performance of up to 540 MB/s may be obtained with any compatible computer or expansion system.

# 100% Redundancy

If primary drive crashes, the mirrored drive will automatically replace the primary drive.

#### **Hardware RAID Controller Onboard**

A high performance RAID controller manages the SSDs you install, supporting Fast (RAID 0), Safe (RAID 1), Volume (Span) and, particularly important to pro audio users, JBOD (Just a Bunch of Disks) configurations, so you can choose the mode that best suits your needs:

- Fast
   Choose RAID 0 for the best performance.
- Safe

Choose RAID 1 for a mirrored backup of your data.

Volume

Choose Span to create a single large volume bridging both drives.

• JBOD

Choose JBOD (Just a Bunch of Disks) to work with twice as many audio tracks.

Regardless the mode you select, changing the configuration is easy – with no software to install or jumper blocks to move around, a turn of a switch and the press of a button is all it takes.

### Fast USB Speed and Plenty of Power for Bus-powered Devices

Sonnet's Fusion Dual 2.5-inch SSD RAID card also includes a SuperSpeed USB-C (USB 3.2 Gen 2) port that supports data transfers of up to 1000 MB/s(3), and provides up to 15W of power to support bus-powered devices—you can connect a fast external drive without installing another card.

### Thunderbolt Port? Connect Two SSDs Through One Cable

Got a Thunderbolt connection, but no PCIe card slot? Fusion Dual 2.5-inch SSD RAID card provides full performance and is ideal for use in a Sonnet Thunderbolt 3 or Thunderbolt 2 edition Echo™ Express III-D, III-R, or xMac™ Thunderbolt to PCIe card expansion system. The combo enables you to add two SSDs plus a USB-C port to any Mac or Linux computer with Thunderbolt 2 or Thunderbolt 3 ports, or Windows PC with Thunderbolt 3 ports.

### In the box:

- Fusion Dual 2.5-inch SSD RAID card
- Drive mounting screws
- Documentation

