



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⁽²⁾
- **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⁽³⁾
- **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+⁽⁴⁾
- 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 PCIe card expansion system with available full-length PCIe 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

1. 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.

4. macOS 10.12 erroneously reports a 5Gbps connection when connected at 10Gbps.

Install Two 2.5-inch SATA SSDs into a PCIe 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

