FUSION™ THUNDERBOLT™ 3 PCIe® FLASH DRIVE

Quick Start Guide

You Should Have

The following items should be included in your product package:

• Fusion Thunderbolt 3 PCIe Flash Drive

Mac® Compatibility
• Macs with Thunderbolt 3 ports

• macOS® 10.12.6+

Windows® Compatibility
• PC with a Thunderbolt 3 port
• 64-bit editions of Windows 10, Version 1703 (Creator's Update) or newer

Preparing to Use the Fusion Thunderbolt 3 PCIe Flash Drive With a Mac Computer

The drivers required to support this product are installed as part of macOS; there are no preparation steps beyond updating your computer to macOS 10.12.6 or newer.

Preparing to Use the Fusion Thunderbolt 3 PCIe Flash Drive With a Windows PC

1. Update Windows. You must use Windows 10, 64-Bit **Version 1703** or newer (also called the Creator's Update). To check the version number, type *winver* in the search bar and click enter.

2. Update your computer's BIOS to the latest version. If you need help updating your BIOS, contact your computer manufacturer.

3. Update your Thunderbolt Bus Driver to the latest version; you will need version 16.3.61.275 or newer. To check your driver version, go to Settings:Apps:Thunderbolt(TM) Software and you will see the version number. If it is not 16.3.61.275 or newer, then you need to update it. Check with your computer manufacturer for an update.

Support Note: This document was up to date at the time of printing. However, changes to the hardware or software may have occurred since then. Please check the Sonnet website for the latest documentation.
1. Go to www.sonnettech.com/support/kb/kb.php
2. Click the Thunderbolt Product link.
3. Click the Fusion Thunderbolt 3 PCIe Flash Drive link, and then click the Manual link.
5. Click the Fusion Thunderbolt 3 PCIe Flash Drive QSG (Mac and Windows) [English] link and then check the Document Version information. If the version listed on the last page of this manual is later than this document (**revision A**), click the Download Now button for the latest version.

Product Information

Using the Fusion Thunderbolt 3 PCIe Flash Drive – Windows Edition

Listed here is some general information about using this device with your computer:
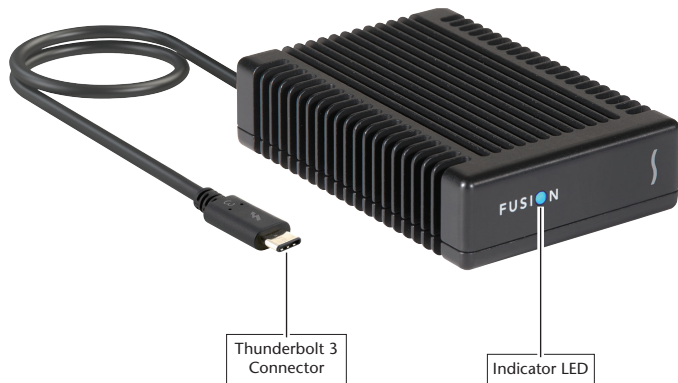
First Time Use—Windows Users

The first time you connect the Fusion Thunderbolt 3 PCIe Flash Drive to your computer, an Approve New Thunderbolt™ Devices window will appear. From the drop-down menu select Always Connect, and then click OK.

Formatting the Drive

The Fusion Thunderbolt 3 PCIe Flash Drive is shipped from Sonnet unformatted. Use Disk Utility or Windows Disk Management to set up the device for use.

Product Description

Shown below is a picture and descriptions of the Fusion PCIe Flash Drive's connector and indicator.

Thunderbolt 3 Connector

Indicator LED

Thunderbolt 3 (USB Type-C) Connector—Plug this connector into one of your computer's Thunderbolt 3 ports (often indicated by a ⚡ logo), or at the end of a Thunderbolt device chain.

Drive Power and Activity Indicator LED—This LED indicates the drive's ready state (LED on), as well as read and write activity (LED flashing).

Known Issues

• While the Fusion Thunderbolt 3 PCIe Flash Drive features a 40Gbps Thunderbolt 3 interface, some computers equipped with Thunderbolt 3 use an x2 PCIe lane implementation of Thunderbolt 3 technology that limits PCIe performance to 20Gbps, which will result in data transfer speeds of only up to 1,400 MB/s. The MacBook Pro (13-inch, Late 2016, Four Thunderbolt 3 Ports) has this limitation in the two right-hand Thunderbolt 3 ports, while offering full performance from the left-hand ports.

• The Fusion Thunderbolt 3 PCIe Flash Drive is *not* compatible with the Apple Thunderbolt 3 (USB-C) to Thnderbolt 2 adapter; the drive requires more power than a Thunderbolt 2 connection can provide.

Advice

• For Mac Users: If you do not need to boot macOS from the Fusion flash drive, formatting it as ExFAT may deliver better performance than when it is formatted as Mac OS Extended (Journaled). If you need to boot macOS from the Fusion flash drive, it must be formatted as one of the Mac OS Extended formats.

• Always "eject", "stop", "unplug", or "safely remove" the Fusion Thunderbolt 3 PCIe Flash Drive before disconnecting it from your computer or other Thunderbolt device ahead of it in a daisy chain.

• Disconnecting the Fusion Flash Drive while is transferring or receiving data may result in damage to the file(s) being transferred or cause your system to hang.

• You may connect the Fusion Thunderbolt 3 PCIe Flash Drive to, and disconnect it from, your computer while it is on; be sure to follow the above advice regarding disconnecting the drive.

• When plugged in at the end of a Thunderbolt 3 device daisy chain, the Fusion Thunderbolt 3 PCIe Flash Drive may not perform at its peak.