

Allegro™ USB 3.2 Gen 1 Type A PCIe® Card

4-Port 5Gbps USB 3 PCIe Card With USB Charging

Quick Start Guide

You Should Have

The following items should be included in your product package:

- One Allegro USB 3.2 Gen 1 Type A PCIe Card
- Quick Start Guide

The following items may be required for installation:

- Medium Phillips screwdriver

Computer Compatibility

- Mac Pro® (3,1*, 4,1, 5,1, or 7,1 [2019])
- Windows® computer with PCIe slots
- Linux® computer with PCIe slots

OS Compatibility

- macOS 10.8.5+ (macOS Big Sur compatible)
- Windows® 10, 8.1, 7
- Windows Server 2019, 2016, 2012 (64-bit editions)
- Linux Kernel 5.4.0+
- Ubuntu 20.04.1+

Thunderbolt™ Compatibility

- Mac® (Intel® or M1) computer via a Thunderbolt 2 or Thunderbolt 3 to PCIe card expansion system
- Windows computer via a Thunderbolt 3 to PCIe card expansion system
- macOS 10.8.5+
- Windows 10 (64-bit Edition Version 1909 or newer)

* Compatible in PCIe 1.1 slot.

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Installation Preparation

Sonnet recommends that you read the section in your computer's user manual that addresses PCIe card installation, prior to installing the Allegro card into your system.



Support Notes: When handling computer products, you must take care to prevent components from being damaged by static electricity. Before opening your computer or removing parts from their packages, always ground yourself first by touching a metal part of the computer, such as a port access cover, and work in an area free of static electricity; avoid carpeted areas. Handle all electronic components by their edges, and avoid touching connector traces and component pins.

Card Installation Steps

1. Shut down your computer or Thunderbolt-to-PCIe card expansion chassis, and then open it to access the expansion card area (PCIe slots); refer to the user's manual for specific information.
2. Locate an available PCIe slot and remove its access cover.
3. Remove the Sonnet card from its packaging, and then install it into the PCIe slot; **make sure the card is firmly seated and secured.**
4. Close the computer or Thunderbolt-to-PCIe card expansion chassis.

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Driver Information

For Mac users, the drivers that enable this Allegro card to work in your computer or Thunderbolt expansion chassis are installed as part of macOS 10.8.5 and later; the Allegro card is ready to use when you power on your computer.

For Windows users, the drivers that enable this Allegro card to work in your computer running supported versions of Windows *except* Windows 7 (32- and 64-bit versions) are installed automatically. For Windows 7 users, please go to www.sonnettech.com/support/kb/kb.php. Navigate to and click the Allegro USB 3.2 Gen 1 Type A PCIe Card link, and then click the Driver link. Locate, download, and install the appropriate drivers. For all other users, update Windows to the latest version to ensure full support and performance.

For Linux users, the drivers that enable this Allegro card to work in your computer running Linux Kernel 5.4.0+ or Ubuntu 20.04.1+ are installed automatically; the Allegro card is ready to use when you power on your computer.

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Known Limitations and Advice

USB technology and peripherals have some limitations. Refer to your peripheral manufacturers' Web sites for more information.

- To minimize power usage during sleep, power is removed from PCIe cards. Because of this power-saving specification, a USB PCIe card is unable to maintain USB port power during sleep. In macOS, this power loss causes a storage device to disconnect when the computer wakes from sleep; although the storage device will automatically remount, the system still displays a Disk Not Ejected Properly message. Because macOS flushes all caches before sleeping, this disconnect should never result in any loss of data.
- USB 3.2 Gen 1 (formerly USB 3.0) devices require USB 3.2 Gen 1 cables to support 5 Gb/s transfer speeds. Use of USB 2.0 cables between USB 3.2 Gen 1 devices and the Allegro card is supported, but data transfers are limited to USB 2.0 speeds (up to 480 Mb/s).
- Many peripherals require additional drivers and application software to operate or have full functionality. Software should be included with the device, or available to download from the manufacturer's Web site. Check the peripheral's user's manual for information about necessary software.
- While your computer is on, always "eject", "stop", "unplug", or "put away" any drive (hard drive, SSD, etc.) before disconnecting it from its cable or the Sonnet card. Also, always "eject" any memory card from the operating system before removing it from an attached card reader, or disconnecting the reader (with the card inserted in it) from its cable or the Sonnet card.

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- Disconnecting drives while they are transferring or receiving data, may result in damage to the file(s) being transferred or cause your system to hang.
- Although many peripherals may draw power directly from the Sonnet card, other devices require an external power source. Remember to use external power supplies when necessary.

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Contacting Customer Service

The Sonnet Web site located at <https://www.sonnettech.com> has the most current support information and technical updates. Before contacting Customer Service, please check our Web site for the latest updates and online support files, and check this Quick Start Guide for helpful information.

Email support requests generally receive the fastest responses, and are usually processed within a 24-hour period during normal business hours, excluding holidays. When you contact Customer Service, have the following information available so the customer service staff can better assist you:

- Product name
- Computer model
- A System Report (macOS), or a Microsoft System Information MSINFO32 (Windows) report (Windows), along with a description of the issue(s) you are encountering with your device

If further assistance is needed, please contact **Sonnet Customer Service** at:

E-mail: support@sonnettech.com

Tel: 1-949-472-2772

(Monday–Friday, 9 a.m.–5 p.m. Pacific Time, excluding holidays)

Japan Customers

Contact Sonnet Customer Service Japan at:

E-mail: jp.support@sonnettech.com

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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 Web site for the latest documentation.

1. Go to <https://www.sonnettech.com/support/kb/kb.php>
2. Navigate to and click the Allegro USB 3.2 Gen 1 Type A PCIe Card link.
3. Click the Manual link.
4. Click the Allegro USB 3.2 Gen 1 Type A PCIe Card Quick Start Guide [English] link and then check the Document Version information. If the version listed is later than this document (**revision C**), click the Download Now button for the latest version.



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