

Solo10G™ PCIe® Card

1-Port 10 Gigabit Ethernet PCIe 3.0 Card

Quick Start Guide



SIMPLY FAST™

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Installation Preparation

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

Card Installation Steps

1. Shut down your computer or Thunderbolt-to-PCIe card expansion system and disconnect it from its power source, 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 x4 (4-lane) or larger PCI Express slot and then remove its access cover.
3. Remove the Sonnet card from its packaging, and then install it into the PCI Express slot; **make sure the card is firmly seated and secured.**
4. Close your computer or expansion system, and then reconnect it to its power source. If the card is installed in an expansion system, also connect the Thunderbolt cable between the Thunderbolt ports on the system and computer.
5. Connect a CAT 6A, CAT 6, or CAT 5e cable (depending on the network connection) between the port on the Presto card and a port on the switch or device.

* 10 Gb/s speed supported on CAT 6A and CAT 6 cabling at 100 and 55 meters, respectively. Lower speeds supported on CAT 5e (and better) cabling at up to 100 meters. 5 Gb/s and 2.5 Gb/s link speed support requires an NBASE-T (multi-Gigabit) compatible switch.

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You Should Have

The following items should be included in your product package:

- One Solo10G PCIe Card
- One additional mounting bracket
- QSG

The following items may be required for installation:

- Medium Phillips screwdriver

Computer Compatibility

- Mac Pro® (Mid 2010 or newer), PC desktop or server with full-height or low-profile PCIe slots

OS Compatibility

- macOS® 10.13.6+ (macOS Mojave compatible)
- Windows® 10, 8, 7; Server 2016, 2012, 2008
- Linux®

Thunderbolt™ Compatibility

- Mac® or Windows computer with a Thunderbolt port via a Thunderbolt-to-PCIe Card Expansion 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.

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Driver Information

For Mac users, the drivers that enable the Solo10G PCIe Card to work in your computer or Thunderbolt expansion chassis are installed as part of macOS 10.13.6 and later; the Presto card is ready for use when you power on your computer.

For Windows and Linux users, please go to www.sonnettech.com/support/kb/kb.php, click the Computer Cards link, and then the PCIe Cards link. Locate and click Solo10G PCIe Card link, and then click the Driver link. Locate, download, and install the appropriate drivers.



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 Computer Cards link.
3. Click the PCIe Cards link.
4. Click the Solo10G PCIe Card link, and then click the Documentation link.
5. Click the Solo10G PCIe Card Quick Start Guide [English] link, and then check the Document Version information. If the version listed is later than this document (revision E), click the Download Now button for the latest version.

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Basic Card Configuration Information—macOS

Configure the Solo10G card's settings in the System Preferences Network preferences panel; the card will be identified as a PCI Ethernet card.

Performance Tuning Steps—macOS

Listed below are steps required to configure the Solo10G card for maximum performance. Please note that to take advantage of these settings, the switch or router to which the card is connected must also support these features.

1. Open System Preferences, and then click Network. In the Network System Preferences panel, click the Sonnet card's port in the left panel, and then click Advanced; a new panel appears.
2. In the Advanced panel, click Hardware. From the Configure drop-down menu, select "Manually". In the Speed drop-down menu, leave the setting at, or select 10GbaseT (or 5000baseT or 2500baseT if either is the top speed your network connection supports). In the Duplex drop-down menu, select "full-duplex" (not "full duplex, flow-control"). In the MTU drop-down menu, select "Custom," and then select "Jumbo" or enter "9000" in the box below.
3. When you've finished changing the settings, click OK.
4. Back in the main Network window, click Apply after you've completed changing the settings.
5. If you used existing settings and do not need to combine Ethernet ports (link aggregation), your installation is complete.

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Basic Card Configuration Information—Windows

You may configure the Sonnet card's settings using Windows Device Manager. You may locate the device's port in the Network adapters category, listed as Presto Solo 10GBASE-T or Solo10G PCIe Card.

TIPS, GENERAL INFORMATION

5 Gb/s and 2.5 Gb/s Link Speed Support

The Solo10G PCIe Card supports 5 Gb/s and 2.5 Gb/s link speeds when used with NBASE-T compatible (multi-Gigabit) switches, and connected via CAT 5e (or better) cabling.

Audio Video Bridging (AVB) Support

The Solo10G PCIe Card supports AVB when used with AVB-compatible (802.1Qav) switches.

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Port and Indicator Information

1 – RJ45 (10GBASE-T) Port

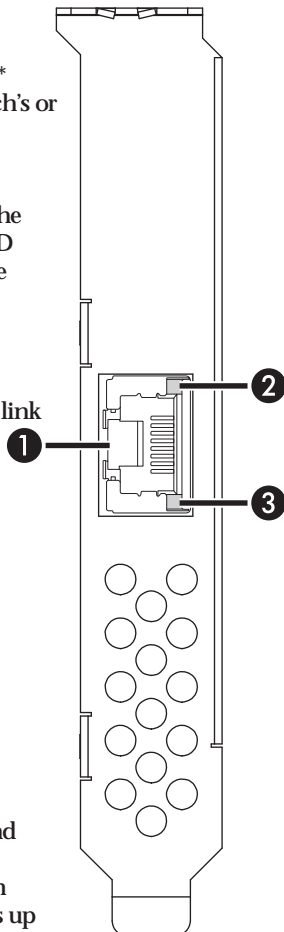
Connect a CAT 6A, CAT 6 or CAT 5e* cable between this port and the switch's or device's RJ45 port.

2 – Link Speed Indicator

When a link is established between the Solo10G card and the switch, this LED lights to indicate the link speed to the switch: green = 10Gb, yellow = 5Gb, 2.5Gb, 1Gb, and 100Mb.

3 – Link/Activity Indicator

This LED lights up green to indicate a link is established between the Solo10G card and the switch, and flashes yellow when the link is training.



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Contacting Customer Service

The Sonnet Web site located at 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 • Date and place of purchase • Computer model
• OS version • A System Report (macOS) or a Microsoft System Information MSINFO32 (Windows) report (Windows)

If further assistance is needed, please contact us at:

USA Customers

Please contact **Sonnet Customer Service** at:
E-mail: support@sonnettech.com
Tel: 1-949-472-2772
(Monday–Friday, 8 a.m.–4 p.m. Pacific Time)

For Customers Outside the USA

For support on this product, contact your reseller or local distributor.

Visit Our Web Site

For the most current product information and online support files, visit the Sonnet web site at www.sonnettech.com. Remember to register your product online at <http://registration.sonnettech.com> to be informed of future upgrades and product releases.

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* 10 Gb/s speed supported on CAT-6A and CAT 6 cabling at 100 and 55 meters, respectively. Lower speeds supported on CAT 5e (and better) cabling at distances up to 100 meters.