

StarTech Com P021GI 2-Port Open SFP Gigabit Network Card User Guide

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P021GI 2-Port Open SFP Gigabit Network Card

Product Information

The 2-Port Open SFP Gigabit Network Card (Model: P021GI-NETWORK-CARD) is a PCI Express card that allows you to add two open SFP slots to your computer, enabling you to connect to a fiber or Ethernet network. It supports PCI Express x1, x2, x4, x8, or x16 slots and is compatible with 1G SFP transceiver modules.

Product Diagram



Package Contents

- 2-Port Open SFP Gigabit Network Card
- Low Profile Bracket

Requirements

For the latest requirements, please visit www.startech.com/P021GI-NETWORK-CARD.

Product Usage Instructions

Installation

1. Turn off the host computer and any peripheral devices connected to it (e.g. printers, external hard drives, etc.).
2. Unplug the power cable from the back of the host computer.
3. Disconnect any peripheral devices connected to the host computer.
4. Remove the cover from the host computer case. Consult the documentation that came with the host computer for instructions.
5. Locate an open PCI Express slot and remove the corresponding slot cover plate from the back of the host computer case. This card

works in PCI Express x1, x2, x4, x8, or x16 slots.

6. Gently insert the PCI Express card into the open slot and fasten the bracket to the back of the host computer case. If installing in a small form factor or low profile desktop system, replace the pre-installed standard full profile bracket with the included low profile bracket if necessary.
7. Return the cover onto the host computer case.
8. Insert a compatible 1G SFP transceiver module into one of the open SFP slots on the PCI Express card.
9. Reconnect the power cable to the back of the host computer.
10. Reconnect all peripheral devices that were disconnected.
11. Connect a fiber or Ethernet network cable, depending on the SFP transceiver module used, to the SFP slot on the PCI Express card. Connect the other end of the cable to a network device.
12. Turn on the host computer and peripheral devices.

Driver Installation

Download the Driver

1. Navigate to www.startech.com/P021GI-NETWORK-CARD.
2. Click the Drivers & Downloads tab.
3. Under Driver(s), download the Driver Package.

Install the Driver (Windows)

1. Right-click the zipped Driver Package that was downloaded and click Extract All. Follow the on-screen instructions to extract the files. Windows usually saves the files to the Downloads folder associated with the user account (e.g. C:\Users\useraccount\Downloads).
2. Follow the instructions on the accompanying Intel_Windows_DIG file for further Installation Instructions.

Install the Driver (Linux)

1. Extract the contents of the Driver Package.
2. Follow the instructions on the accompanying README file for further Installation Instructions.

Verify the Driver Installation (Windows)

1. Navigate to the Device Manager.

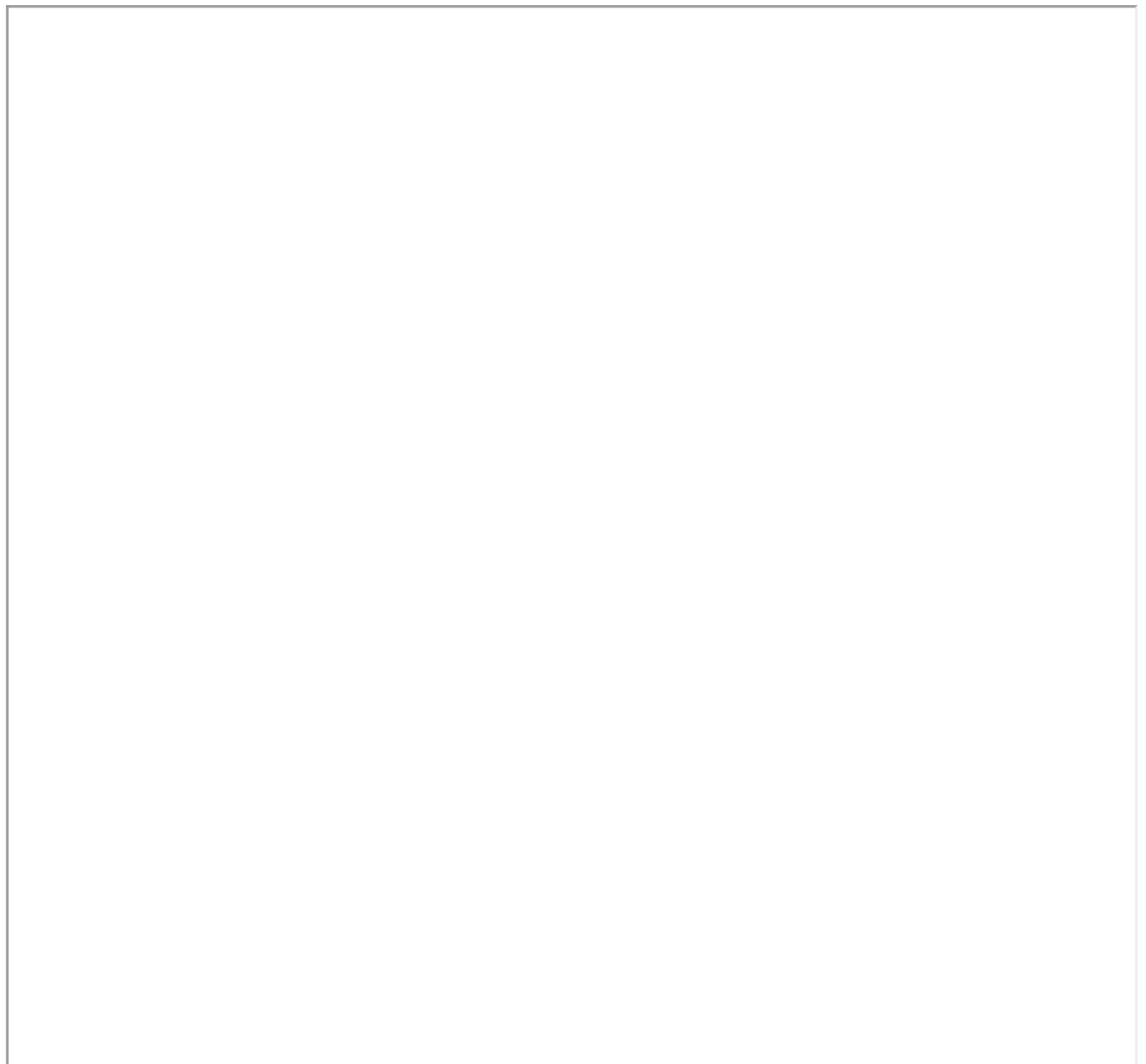
2. Under Network Adapters, right-click Intel(R) I350 Gigabit Fiber Network Connection and click the Properties option.
3. Confirm that the driver is installed and working as expected.

Verify the Kernel Version (Linux)

Note: Ensure Linux kernel 2.4 (LTS) or higher is being used.

Execute the following command from the terminal prompt to check the kernel version: `uname -r`.

[View Fullscreen](#)



Quick-Start Guide

2-Port Open SFP Gigabit Network Card

Product Diagram
P021GI-NETWORK-CARD

3

1

4 2

*Product may vary from image

Port/LED/Connector

Function

1 Bracket

· Secures the card to the Host Computer Case · The Full Profile Bracket comes pre-installed

2 Open SFP Slot x 2

· Add a MSA-Compliant SFP Transceiver Module · Supports Fiber or Ethernet 1 Gbps SFPs

3 LED Indicators

· Left LED Indicator is Link Speed · Solid Green: 1 Gbps
· Right LED Indicator is Link Status · Solid Green: Active link · Flashing Green: Activity

4 PCIe 2.0 x1 Connector · Insert into a PCI Express Slot on the Host Computer

Package Contents

· Open SFP Network Card x 1 · Low-Profile Bracket x 1 · Quick-Start Guide x 1

Requirements

For the latest requirements, please visit www.startech.com/P021GI-NETWORK-CARD

· Host computer with an available PCI Express 2.0 or greater slot (x1, x2, x4, x8, or x16)

Installation

Install the PCI Express Card

WARNING!

Static Electricity can severely damage PCI Express Cards. Ensure that you are adequately Grounded before you open your Host Computer Case or touch the PCI Express Card. You should wear an Anti-Static Strap or use an Anti-Static Mat when installing any Host Computer component. If an Anti-Static Strap isn't available, discharge any built-up static electricity by touching a large Grounded Metal Surface for several seconds. Only handle the PCI Express Card by its edges and don't touch the gold connectors.

1. Turn off the Host Computer and any Peripheral Devices that are connected to it (e.g. printers, external hard drives, etc.).
2. Unplug the Power Cable from the back of the Host Computer.
3. Disconnect any Peripheral Devices that are connected to the Host Computer.
4. Remove the Cover from the Host Computer Case. Consult the documentation that came with the Host Computer for details about doing this safely.
5. Locate an open PCI Express Slot and remove the corresponding Slot Cover Plate from the back of the Host Computer Case.

Note: Consult the documentation that came with the Host Computer for details about doing this safely. This card works in PCI Express x1, x2, x4, x8, or x16 Slots.

6. Gently insert the PCI Express Card into the open PCI Express Slot and fasten the Bracket to the back of the Host Computer Case.

Note: If you install the PCI Express Card into a Small Form Factor or a Low Profile Desktop System, it may be necessary to replace the pre-installed standard Full Profile Bracket with the included Low Profile Bracket.

7. Return the Cover onto the Host Computer Case.

8. Insert a compatible 1G SFP Transceiver Module, into the SFP Slot onto the PCI Express Card.

9. Reconnect the Power Cable to the back of the Host Computer.

To view manuals, FAQs, videos, drivers, downloads, technical drawings, and more, visit www.startech.com/support

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Quick-Start Guide

10. Reconnect all of the Peripheral Devices disconnected in Step 3.

11. Connect a Fiber or Ethernet Network Cable depending on the SFP Transceiver Module used. Connect the other end of the cable to a Network Device.

12. Turn on the Host Computer and Peripheral Devices.

Download the Driver

1. Navigate to www.startech.com/P021GI-NETWORK-CARD

2. Click the Drivers & Downloads tab.

3. Under Driver(s), download the Driver Package.

Install the Driver

Windows 1. Right-click the zipped Driver Package that was downloaded. Click Extract All. Follow the on-screen instructions to extract the files.

Note: Windows usually saves the files to the Downloads folder associated with the user account (e.g. C:\Users\useraccount\Downloads).
2. Follow the instructions on the accompanying Intel_Windows_DIG file for further Installation Instructions.

Linux 1. Extract the contents of the Driver Package.

2. Follow the instructions on the accompanying README file for further Installation Instructions.

Verify the Driver Installation

Windows 1. Navigate to the Device Manager.

2. Under Network Adapters, right-click Intel(R) I350 Gigabit Fiber Network Connection and click the Properties option.

3. Confirm that the Driver is installed and working as expected.

Linux Note: Ensure Linux kernel 2.4 (LTS) or higher is being used. Execute the following command from the terminal prompt to check the kernel version, `uname -r`.

1. Open a Terminal Window and type the command `sudo dmesg | grep Intel` to check the Intel Driver Integration.

2. You should see the following response if the drivers are present, Intel(R) Gigabit Network Driver.

Regulatory Compliance

FCC – Part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2)

this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada. CAN ICES-3 (B)/NMB-3(B) This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Warranty Information

This product is backed by a two year warranty. For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

Limitation of Liability In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Safety Measures

- Read the entire manual and ensure the instructions are fully understood before assembling and/or using this product.

Mesures de Sécurité

- Lisez tout le manuel et assurez-vous que vous comprenez les instructions avant de commencer à assembler et utiliser ce produit.

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Misure di Sicurezza

- Leggere l'intero manuale e assicurarsi di aver compreso tutte le istruzioni prima di iniziare ad assemblare e a utilizzare questo prodotto.

Säkerhetsåtgärder

- Läs hela manualen och se till att du förstår instruktionerna innan du börjar montera och använda produkten.

Medidas de Seguridad

- Lea todo el manual y asegúrese de haber comprendido bien las instrucciones antes de proceder con el ensamblaje y el uso de este producto.

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FR Cet appareil,

À DÉPOSER À DÉPOSER EN MAGASIN EN DÉCHÈTERIE

ses accessoires

et piles se recyclent

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Documents / Resources

	<p>StarTech Com P021GI 2-Port Open SFP Gigabit Network Card [pdf] User Guide P021GI-NETWORK-CARD, P021GI 2-Port Open SFP Gigabit Network Card, 2-Port Open SFP Gigabit Network Card, SFP Gigabit Network Card, Gigabit Network Card, Network Card, Card</p>
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