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## 2-Port PCIe 2.5GBase-T Ethernet PoE Network Adapter Card - Intel

## Product ID
PR22GIP-NETWORK-CARD
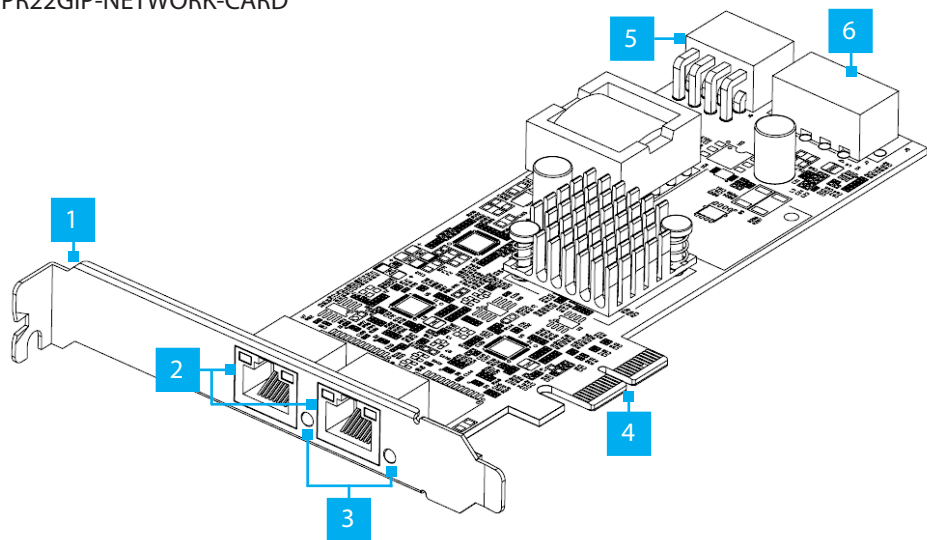


| | Port/LED/Connector | Function |
|---|---|---|
| 1 | Bracket | • Secures the card to the **Host Computer Case**<br>  • The **Full Profile Bracket** comes pre-installed<br>  • The **Low Profile Bracket** is included |
| 2 | Ethernet Ports | • Connect an **Ethernet Cable** to the **Network Card**<br>• Supports 2.5Gbps, 1Gbps, 100Mbps, and 10Mbps<br>• Supports **IEEE 802.3at** and **IEEE 802.3af**<br>• **Right LED Indicator** is **Link Speed**<br>  • **Solid Green:** 2.5Gbps<br>  • **Solid Amber:** 1Gbps<br>  • **Off:** 10/100Mbps<br>• **Left LED Indicator** is **Link Status**<br>  • **Solid Green:** Active link<br>  • **Flashing Green:** Activity |
| 3 | Power Over Ethernet (PoE) LED Indicator | • **Solid Green:** PoE has been negotiated and power is being supplied to the Powered Device<br>• **Off:** No power output has been negotiated |

| | | |
|---|---|---|
| 4 | PCIe 2.0 x2 Connector | • Insert into a **PCI Express Slot** on the **Host Computer** |
| 5 | PCIe Power Connector | • Connect **8-Pin PCIe Power** from the **Host Computer's Power Supply** |
| 6 | LP4 Power Connector | • Connect **LP4 Power** from the **Host Computer's Power Supply** |

## Package Contents
- Network Card x 1
- Low Profile Bracket x 1
- Quick-Start Guide x 1

## Requirements
For the latest requirements, please visit: www.StarTech.com/PR22GIP-NETWORK-CARD

• Host Computer with an available PCI Express 2.0 or greater slot (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**.

   *Note:* 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**.

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 installing 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. Connect **8-Pin PCIe** or **LP4 Power** from the **Host Computer's Power Supply** to the corresponding **Power Connector** on the rear of the **Network Card**.

   *Note: If 8-Pin PCIe or LP4 Power is not connected to the Network Card, Power over Ethernet (PoE) will be unavailable, but a data connection will still be established.*

8. Reinstall the **Cover** on the **Host Computer Case**.

9. Reconnect the **Power Cable** to the **Host Computer**.

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

11. Power on the **Host Computer** and connected **Peripheral Devices**.

12. Connect an **Ethernet Cable** to the **Ethernet Port** on the **Network Card**.

## Download the Driver

1. Navigate to: www.StarTech.com/PR22GIP-NETWORK-CARD

2. Click the **Drivers & Downloads** tab.

3. Under **Driver(s)**, download the **Driver Package** for Windows.

   *Note: Windows usually saves the files to the Downloads folder associated with the user account (e.g. C:\Users\useraccount\Downloads).*

### Regulatory Compliance

**FCC Compliance Statement**

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:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment to an outlet on a different circuit than the receiver.
 - Consult the dealer or an experienced radio/TV technician for help.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device. If shielded interface cables are included with the product, or if additional components or accessories are designated for use with the installation, they must be used to ensure compliance with FCC regulations.

**ISED Statement / Déclaration d'ISDE**
CAN ICES-003(B) / NMB-003(B)
This Class B digital apparatus complies with Canadian ICES-003.
This device complies with ISED 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.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
Le présent appareil est conforme aux CNR d'ISDE 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'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.

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

   *Note: Ensure to make a note of the location where the drivers were extracted. That location will be used in later steps.*

5. Follow the instructions on the accompanying **Intel_Windows_DIG** file for further **Installation Instructions**.

## Verify the Driver Installation

### Windows

1. Navigate to the **Device Manager**.

2. Under **Network Adapters**, right-click **Intel Ethernet Controller I225-V** and click the **Properties** option.

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

### Linux

   *Note: Ensure kernel 5.8 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. If the drivers are present, the following entry should be present: **Intel(R) 2.5G Ethernet Linux Driver**.

**Safety Measures**
 • Read the entire manual and ensure the instructions are fully understood before assembling and/or using this product.
**Mesures de sécurité**
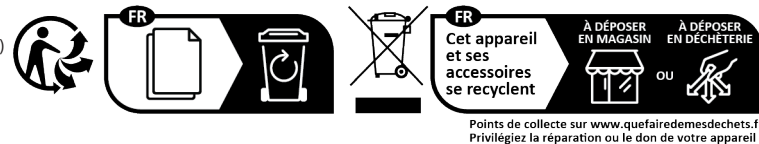 • Assemblez ce produit conformément aux instructions.
**安全対策**
 • 必ず取扱説明書に従って本製品の組み立てを行って下さい。
**Misure di sicurezza**
 • Assicurarsi di Assemblare il prodotto secondo le istruzioni.
**Säkerhetsåtgärder**
 • Se till att du monterar produkten i enlighet med instruktionerna

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