

# StarTech com ST10GSPEXNDP2 2-Port 10GBase-T NBase-T Ethernet Network Adapter Card User Guide

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Quick-Start Guide

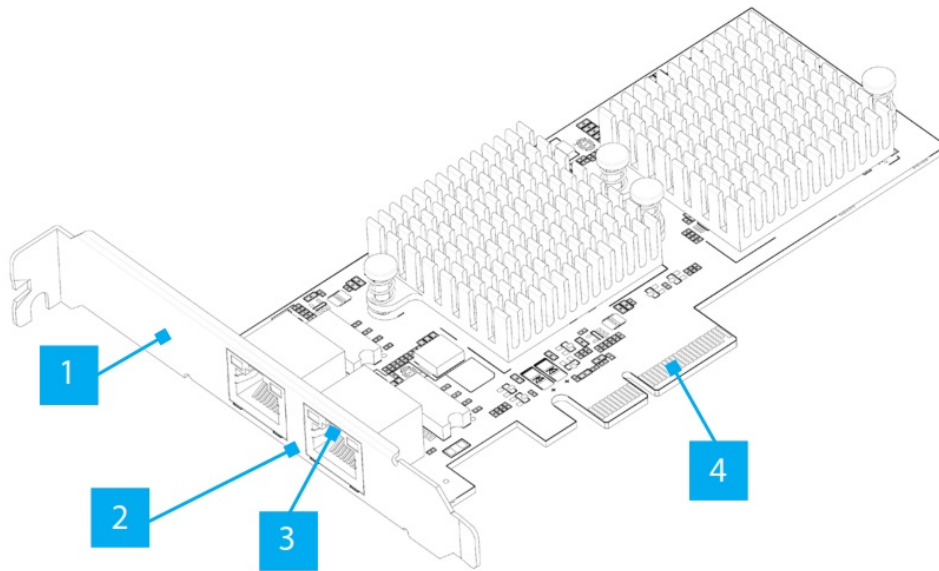
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## ST10GSPEXNDP2 2-Port 10GBase-T NBase-T Ethernet Network Adapter Card

2-Port 10GBase-T / NBase-T Ethernet Network Adapter Card – PCIe Ver 3.0 x4

Product Diagram (ST10GSPEXNDP2)



Port/LED/Connector		Function
1	Bracket	<ul style="list-style-type: none"> <li>• Secures the card to the <b>Computer Case</b></li> <li>• The <b>Full-Height Bracket</b> comes pre-installed</li> <li>• The <b>Low-Profile Bracket</b> is included</li> </ul>
2	2x Ethernet Ports	<ul style="list-style-type: none"> <li>• Connect a <b>Network Cable</b> to the <b>Network Card</b></li> <li>• Supports 10 Gbps/S Gbps/2.S Gbps/1 Gbps/100 Mbps/10 Mbps For 10 Gbps speeds Cat6 or higher cable is needed</li> </ul>
3	LED Indicators	<ul style="list-style-type: none"> <li>• <b>Left LED Indicator is Link Speed</b> Solid Green = 10 Gbps Solid Amber = 5 Gbps/2.S Gbps/1 Gbps/100 Mbps/10 Mbps</li> <li>• <b>Right LED Indicator is Link Status</b> Solid Green = Active link Flashing Green = Activity</li> </ul>
4	PCIe x4 Connector	<ul style="list-style-type: none"> <li>• Insert into a <b>PCI Express Slot</b> on the <b>Host Computer</b></li> </ul>

## Package Contents

- PCIe 10 Gbps Network Card x 1
- Low-profile Bracket x 1
- Quick-Start Guide x 1

## Requirements

For the latest requirements, please visit [www.startech.com/ST10GSPEXNDP2](http://www.startech.com/ST10GSPEXNDP2)

- Computer with an available PCI Express Slot (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 **Computer Case** or touch the **PCI Express Card**. You should wear an Anti-Static Strap or use an Anti-Static Mat when installing any 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 **Computer** and any **Peripheral Devices** that are connected to it (for example, **Printers, External Hard Drives, etc.**).
2. Unplug the **Power Cable** from the back of the **Computer**.
3. Disconnect any **Peripheral Devices** that are connected to the **Computer**.
4. Remove the **Cover** from the **Computer Case**. Consult the documentation that came with the **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 **Computer Case**. Consult the documentation that came with the **Computer** for details about doing this safely. This card works in PCI Express **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 **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-Height Bracket** with the included **Low-Profile Bracket**.
7. Return the **Cover** onto the **Computer Case**.
8. Reconnect the **Power Cable** to the back of the **Computer**.
9. Reconnect all of the **Peripheral Devices** disconnected in **Step 2**.
10. Turn on your **Computer** and **Peripheral Devices**.
11. Connect an **Ethernet Cable** to the **Ethernet Port(s)**.

### Install the Driver

1. Navigate to [www.startech.com/ST10GSPEXNDP2](http://www.startech.com/ST10GSPEXNDP2)
2. Click the **Drivers & Downloads** tab.
3. Under **Driver(s)**, download the **Driver** for your operating system.

#### For Windows Systems

- a. Extract the contents of the **Driver Package** by **Right Clicking** the **Driver Folder** that was downloaded from the website and select **Extract All**. Follow the on-screen instructions to finish the **Extraction**.
- b. Follow the instructions on the accompanying **ST10GSPEXNDP2\_Windows\_DIG.pdf** file for further **Installation Instructions**.

#### For Linux Systems

- a. Extract the contents of the **Driver Package**.

- b. Follow the instructions on the accompanying **README.txt** file.

### **Verify Driver Installation (Windows)**

1. Navigate to the **Device Manager**.
2. Under **Network Adapters**, right-click **Marvell AQtion 10Gbit Network Adapter** and click the **Properties** option.
3. Confirm that the Driver is installed and working as expected.

### **Verify Driver Installation (Linux)**

1. Run **lsmod | grep -i atlantic** from the command line.
2. Verify that the **Driver** is present in the command line.

### **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](https://www.startech.com) could void the user's authority to operate the equipment.

### **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](https://www.startech.com/warranty).

### **Limitation of Liability**

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### **Safety Measures**

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

product.

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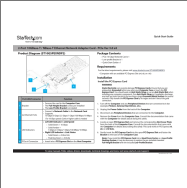
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## Documents / Resources

	<p><a href="#">StarTech.com ST10GSPEXNDP2 2-Port 10GBase-T NBase-T Ethernet Network Adapter Card [pdf] User Guide</a></p> <p>ST10GSPEXNDP2 2-Port 10GBase-T NBase-T Ethernet Network Adapter Card, ST10GSPEXNDP2, 2-Port 10GBase-T NBase-T Ethernet Network Adapter Card, NBase-T Ethernet Network Adapter Card, Network Adapter Card, Adapter Card, Card</p>
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## References

- [StarTech.com | IT Pro's Trusted Source for Connectivity Accessories](#)
- [2-Port 10Gbps PCIe Network Adapter Card - Network Adapter Cards | StarTech.com](#)
- [StarTech.com Support](#)
- [StarTech.com Warranty Policy](#)