

PCIe Gigabit Network Card - 4 Port

ST1000SPEX43



*actual product may vary from photos

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DE: startech.com/de
ES: startech.com/es
NL: startech.com/nl
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For the latest information, technical specifications, and support for this product, please visit www.startech.com/ST1000SPEX43.

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 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.

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Introduction

You can use the ST1000SPEX43 to add four separate Gigabit network ports to your client, server, or workstation through just one PCI Express® slot. This four-port network adapter card supports high-performance, four-channel networking, and a maximum throughput of up to 1000Mbps in each direction (a total of 2000Mbps). The network adapter card features the Realtek RTL8111G chipset, which is designed to deliver the performance and enhanced capabilities that you need for reliable network connections to your server or computer.

Packaging contents

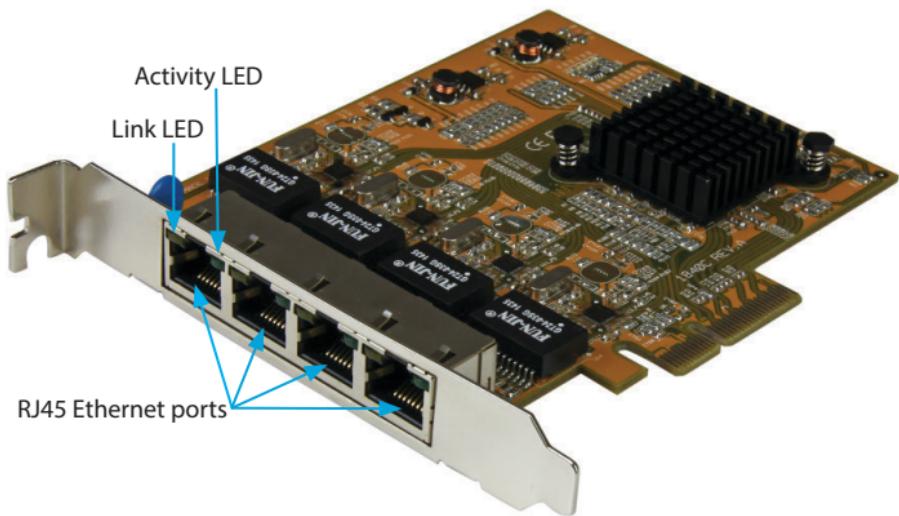
- 1 x PCIe Gigabit network card - 4 port

System requirements

- Available PCIe x4 slot or higher (x8 or x16)

System requirements are subject to change. For the latest requirements, please visit www.startech.com/ST1000SPEX43.

Product diagram



Installation

Install the network adapter card

Warning! PCIe cards should be handled carefully, especially when they're transported and installed. If you're not careful, you can damage the network adapter card. Make sure that you're properly grounded by wearing an anti-static strap when you install any computer component. If an anti-static strap isn't available, touch a large grounded metal surface for several seconds to discharge any built-up static electricity.

1. Turn off your computer and any devices or peripherals that are connected to it (for example, printers, external storage, and so on).
2. Unplug the power cable from the back of your computer.
3. Disconnect any peripheral devices that are connected to your computer.
4. Remove the cover from your computer case. Consult the documentation that came with your computer for details about how to do this safely.
5. Locate an open PCIe slot and remove the corresponding metal cover plate from the back of your computer case. Consult the documentation that came with your computer for details about how to do this safely. This network adapter card works in PCIe slots of x4, x8, or x16 lanes.
6. Gently insert the card into the open PCIe slot and fasten the bracket to the back of the case.
7. Place the cover back onto the computer case.
8. Reconnect the power cable to the back of your computer.
9. Reconnect all of the peripheral devices that you disconnected in step 3.
10. Turn on your computer.

Driver installation

- If the Network Adapter Card is installed on a computer with Windows 8 or higher/ Windows Server 2012 or higher, your computer will automatically detect the Network Adapter Card and install all the required drivers.
- If you're running a different Operating System, or the drivers do not automatically install:
 1. Navigate to www.StarTech.com/ST1000SPEX43 and click the **Drivers/Downloads** tab.
 2. Under Driver(s), download the Driver Package for your operating system, and follow the steps outlined in the Installation guide, that's included in the Driver Package.

Confirm installation

To confirm installation on a computer running a version of Windows, complete the following:

1. On your computer, navigate to Device Manager.
2. Under Network adapters, confirm that the number of Realtek adapters corresponding to the number of RJ45 ports on the card are listed.

In some cases, an exclamation mark appears next to devices that aren't installed correctly. If the driver wasn't installed correctly, try installing the driver again.

About LED indicators

The network adapter card features two LED indicators for each of the RJ45 Ethernet ports. The Activity LED indicates the speed and mode of the Ethernet ports, and the Link LED indicates if the port is connected or active. For more information about the LED indicators, see the table below:

LED	Behavior	Significance
Yellow Activity LED	LED is illuminated.	Network card is in Gigabit mode.
Yellow Activity LED	LED is not illuminated.	Network card is in 10 or 100Mbps mode.
Green Link LED	LED is illuminated.	Network card is linked.
Green Link LED	LED is blinking.	Network card is completing a process or activity.

Troubleshooting

What should I do if I hook everything up and the system isn't working as expected?

To confirm that the Ethernet cables, network adapter card, and computer system aren't the source of the issue, try the following:

- Use the Ethernet cables, network adapter card, and computer system with another computer setup to see if the problem persists.
- Use different components to verify that the issue is with the network card. For example, install the card in another system or use different Ethernet cables to test the connection.
- Make sure that the Link LEDs on the network adapter card are illuminated as expected. If the Link LEDs are illuminated, it means that the network adapter card has a good electrical connection with the other parts of your setup.
- If you use a wall jack with an Ethernet cable, make sure that the jack is patched in properly.

When you test the Ethernet cables, do the following:

- Test each cable individually.
- If possible, use short cables when you're testing.

Technical support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

For the latest drivers/software, please visit www.startech.com/downloads

Warranty information

This product is backed by a two-year warranty.

StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only.

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