

4 Port PCI Express Gigabit Ethernet Network Card

ST1000SPEX42



*actual product may vary from photos

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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.

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Introduction

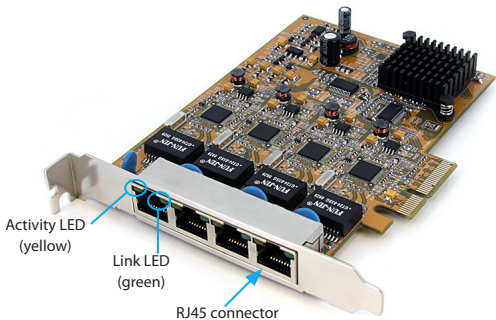
The ST1000SPEX42 4 port PCIe 10/100/1000 Mbps Gigabit Ethernet Network Adapter Card provides four Gigabit Ethernet ports and is fully compatible with IEEE 802.3/ab standards. Suitable for any PCI Express x4 enabled client, server or workstation, the Gigabit Ethernet Network Adapter Card supports high performance four channel networking and maximum throughput up to 1000Mbps in each direction (2000 Mbps total) - up to ten times faster than 10/100 Ethernet. Compatible with a broad range of operating systems, this high quality PCIe Gigabit NIC is suitable for many SMB and Enterprise applications, such as virtualized environments that require multiple NICs, and is backed by a StarTech.com 2-year hardware warranty and free lifetime technical support.

Packaging Contents

- 1x 4 Port PCI Express Network Card
- 1x Driver CD
- 1x Instruction Manual

System Requirements

- PCI Express enabled computer system with available x4 slot
- Microsoft® Windows® 2000/XP (32/64-bit)/Server 2003 (32/64-bit)/Vista (32/64-bit)/Server 2008 R2/7 (32/64-bit)/8 (32/64-bit), Mac OS X® (up to 10.8), or Linux®



LED	Function	State	Status
Yellow	Speed/Mode	ON	Gigabit mode
		OFF	10/100 mode
Green	Link/Activity	ON	Link
		Blinking	Activity

Installation

WARNING! PCI Express cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI Express card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI Express card by its edges and not the gold connectors.

Hardware Installation

1. Turn your computer off and any peripherals connected to the computer (i.e. Printers, external hard drives, etc.). Unplug the power cable from the rear of the power supply on the back of the computer and disconnect all peripheral cables.
2. Remove the cover from the computer case. See documentation for your computer system for details.
3. Locate an open x4 PCI Express slot and remove the metal cover plate on the rear of the computer case (Refer to documentation for your computer system for details.). Note that this card will work in PCI Express slots of additional lanes (ie. x8 or x16 slots).
4. Insert the card into the open PCI Express slot and fasten the bracket to the rear of the case.
5. Place the cover back onto the computer case.
6. Insert the power cable into the socket on the power supply and reconnect all other connectors removed in Step 1.

Driver Installation

Windows 2000/XP/Server 2003

1. When the Found New Hardware wizard appears on the screen, insert the Driver CD into your CD/DVD drive. If you are prompted to connect to Windows Update, please select the "No, not this time" option and click Next.
2. Select the option "Install Drivers Automatically (Recommended)" and then click the Next button.
3. Windows should now start searching for the drivers. Once this has completed, click the Finish button.

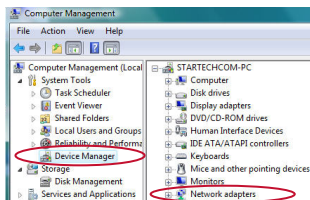
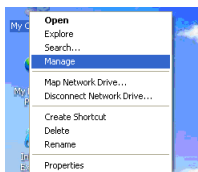
Windows Vista/7/8

1. When the Found New Hardware window appears on the screen, click on the "Locate and install drivers software (recommended)" option. If prompted to search online, select the "Don't search online" option.
2. When prompted to insert the disc, insert the Driver CD that came with the card, into your CD/DVD drive and Windows will automatically proceed to search the CD.
3. If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.
4. Once the driver is installed, click the Close button.

Verifying Installation

Windows 2000/XP/Server 2003/Vista/Server 2008 R2/7/8

From the main desktop, right-click on “My Computer” (“Computer” in Vista/7/8), then select Manage. In the new Computer Management window, select Device Manager from the left window panel.



Double-click on the “Network Adapters” category to expand it. There should be four additional “Realtek” adapters listed.

Specifications

Bus Interface	PCI Express 1.1 (x4 slot connector)
Chipset ID	Realtek RTL8111E
Number of Ports	4
Connectors	4x Female RJ45
LEDs	Yellow: Gigabit mode (on) / 10/100 mode (off) Green: Link (solid) / Activity (blinking)
Buffer Size	48KB Transmit/Receive (on-chip)
Supported Standards	IEEE 802.3/802.3u/802.3ab
Maximum Transfer Rate	1000Mbps
Duplex Mode	Half, Full
Operating Temperature	0°C ~ 55°C (32°F ~ 131°F)
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Humidity	5 ~ 95% RH
Compatible Operating Systems	Windows 2000/ XP(32/64bit)/ Vista(32/64bit)/ Server 2003(32/64bit)/ 7(32/64bit)/ 8(32-64-bit)/ Server 2008 R2, Mac OSX (tested up to 10.8), Linux

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.

In addition, 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. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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