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1-Port PCI Express Gigabit Ethernet Network Card

ST1000SPEX2 / ST1000SPEX2L



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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 ST1000SPEX2/ST1000SPEX2L 1-Port PCI Express Gigabit Ethernet Network Card provides a PCI Express enabled computer with a versatile 10/100/1000 Mbps compatible RJ45 Ethernet port as either an additional or replacement networking interface. Suitable for virtually any PCI Express-enabled client, server or workstation, this network adapter card is fully compatible with IEEE 802.3/u/ab standards and includes both a full and low profile installation bracket. Additional features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL) make this Gigabit NIC a versatile card in any environment. This Gigabit server adapter is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Packaging Contents

ST1000SPEX2

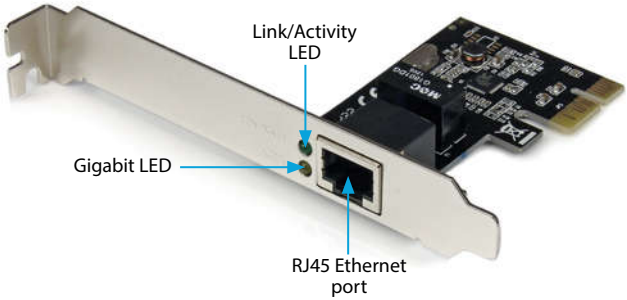
- 1x Gigabit Ethernet PCI Express Card
- 1x Low Profile Bracket
- 1x Driver CD
- 1x Instruction Manual

ST1000SPEX2L

- 1x Gigabit Ethernet PCI Express Card
- 1x Standard Profile Bracket
- 1x Driver CD
- 1x Instruction Manual

System Requirements

- PCI Express enabled computer system with available PCI Express slot
- Microsoft® Windows® XP/ Server 2003/ Server 2008 R2/ Vista/ 7/ 8 (32/64-bit), or Apple® Mac OS® 10.4 ~ 10.8, or Linux® kernel 2.4.x and later



LED	Color	Status
Link/Activity	Green	Solid On: Link/cable detected Flashing: Data transmission Off: No link/cable detected
1000M (Gigabit)	Yellow	Solid On: 1000 Mbps (Gigabit) Link detected Off: 10/100 Mbps Link or no link detected

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 devices.
2. Remove the cover from the computer case. See documentation for your computer system for details.
3. Locate an open 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 (i.e. x4, x8 or x16 slots).
4. Gently insert the card into the open PCI Express slot and fasten the bracket to the rear of the case.

NOTE: Replacing the pre-installed installation bracket may be necessary at this point depending on the card purchased (ST1000SPEX2 / ST1000SPEX2L), and the profile of the system it is being installed in.

5. Place the cover back onto the computer case. Insert the power cable into the socket on the power supply and reconnect all other connectors removed in Step 1.

Driver Installation

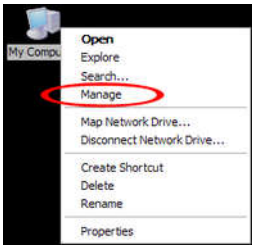
Windows

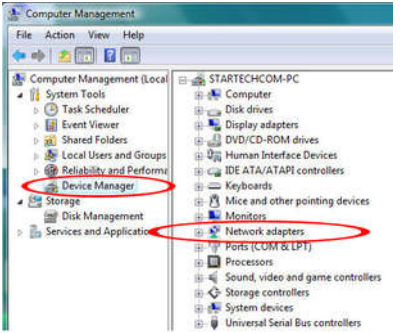
1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.
2. AutoPlay should give you the option to browse the files on the CD or automatically open the CD. If AutoPlay does not start, Go into "My Computer" and access the CD/DVD drive that the CD is in (e.g. D:).
3. Navigate to the location "Realtek/RTL8111" and then access the folder for the appropriate operating system version.
4. Double-click the file "Setup.exe" to start the driver installation program.
5. Complete the wizard and this will automatically install all of the drivers/software. Restart the computer if prompted.

Verify Installation

Windows

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 pane.





In the Device Manager, under the "Network Adapters" category, you should see a new Realtek PCIe GBE devices listed.

Specifications

	ST1000SPEX2	ST1000SPEX2L
Host Interface	PCI Express 1.1 (x1 slot connector)	
Form Factor	Standard Profile (LP Bracket Included)	Low Profile (SP Bracket Included)
Chipset ID	Realtek RTL8111E	
External Connectors	1x RJ45 Ethernet Female	
LEDs	1x Gigabit 1x Link/Activity	
Supported Standards	IEEE 802.3, IEEE802.3u, IEEE 802.3ab	
Compatible Networks	10/100/1000 Mbps	
Auto MDIX Support	Yes	
Full Duplex Support	Yes	
Operating Temperature	0°C ~ 70°C (32°F ~ 158°F)	
Storage Temperature	0°C ~ 100°C (32°F ~ 212°F)	
Humidity	10% ~ 90% RH	
Dimensions	67.9 x 18 x 120.3mm	67.9 x 18 x 65mm
Weight	40g	36g
Compatible Operating Systems	Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000 Windows® Server 2008 R2, 2003(32/64) Mac OS X (Intel based, 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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