

Dual Port Gigabit Network Server Card - Low Profile

ST1000SPEXD2



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

IT: Guida per l'uso - it.startech.com

NL: Gebruiksaanwijzing - nl.startech.com

PT: Guia do usuário - pt.startech.com

For the most up-to-date information, please visit: www.startech.com

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.

Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to StarTech.com. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by StarTech.com, or an endorsement of the product(s) to which this manual applies by the third-party company in question. Regardless of any direct acknowledgement elsewhere in the body of this document, StarTech.com hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

Table of Contents

Introduction	1
Packaging Contents	1
System Requirements.....	1
Installation	2
Hardware Installation	2
Driver Installation.....	2
Specifications	4
Technical Support	5
Warranty Information	5

Introduction

The ST1000SPEXD2 Dual Port Low Profile PCIe Gigabit Ethernet Server Adapter Card provides two 10/100/1000 Mbps capable Ethernet ports and is fully compatible with IEEE 802.3/u/ab standards. Suitable for any PCI Express-enabled client, server or workstation, the Gigabit Ethernet Network Adapter Card supports high performance dual channel networking and maximum data transfer speeds of 1000 Mbps in each direction (2000 Mbps total) - up to 10 times faster than 10/100 Ethernet. This low profile compatible NIC supports features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL) and includes an optional full profile bracket that makes it easy to install the card in either a small form factor/low profile or full/standard computer case/server.

Packaging Contents

- 1 x PCI Express Network Card
- 1 x Full Profile Installation Bracket
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- PCI Express enabled computer system with available full/low profile PCI Express expansion slot
- Microsoft® Windows® 2000/XP/Vista/Server 2003/Server 2008 R2/7 (32/64-bit), CE4.2/5.0, or Linux® kernel 2.4.x or later, or Apple® Mac OS® 10.4 (Intel), or SCO® OpenServer® 5.0.7/6

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

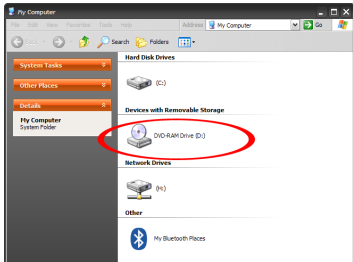
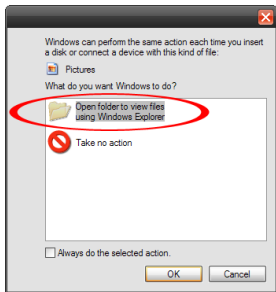
1. Turn your computer off and any peripherals connected to the computer (i.e. Printers, external hard drives, etc.). Unplug the power cable from the rear of the power supply on the back of the computer and disconnect all peripheral devices.
2. Remove the cover from the computer case. See documentation 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. Insert the card into the open PCI Express slot and fasten the bracket to the rear of the case.

NOTE: If installing the card into a full sized desktop system, replacing the pre-installed low profile bracket with the included full profile (full height) installation bracket may be necessary.

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

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 automatically launch and display all of the folders on the CD or prompt you to view files. If not, open "My Computer" and double-click on the CD/DVD drive.



3. Enter the folder "**LAN**", then "**RealtekRTL8111B_8111C**", followed by your operating system version and double-click the "**Setup.exe**" file in that folder.
4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the necessary drivers will be installed.

Windows Vista/7/Server 2008 R2

1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window or choose not to install the drivers and insert the included Driver CD into the computer's CD/DVD drive.
2. AutoPlay should automatically launch and display all of the folders on the CD or prompt you to browse the files. If not, open "Computer" and double-click on the CD/DVD.
3. Enter the folder "**LAN**", then "**RealtekRTL8111B_8111C**", followed by your operating system version and double-click the "**Setup.exe**" file in that folder.
4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the necessary drivers will be installed.

Specifications

Host Interface	PCI Express revision 1.1 (x1 slot connector)
Form Factor	Low/Full Profile
Chipset ID	RealTek RTL8111C
External Connectors	2 x RJ45 Ethernet female
LEDs	2 x Link/Activity 2 x Link Speed
Supported Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Maximum Data Transfer Rate	1000 Mbps
Full Duplex Support	Yes
Auto MDIX	Yes
Buffer Size	On-chip 48KB Transmit/Receive
Operating Temperature	0°C ~ 55°C (32°F ~ 131°F)
Storage Temperature	20°C ~ 75°C (-4°F ~ 167°F)
Humidity	10% ~ 90% RH
Dimensions	110.0mm x 74.0mm
Weight	200g
Compatible Operating Systems	Windows 2000/XP/Server 2003/Vista/ Server 2008 R2/7 (32/64-bit), Mac OS 10.4, Linux kernel 2.4.x, SCO OpenServer 5.0.7/6

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.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product. Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Hard-to-find made easy. At StarTech.com, that isn't a slogan. It's a promise.

StarTech.com is your one-stop source for every connectivity part you need. From the latest technology to legacy products — and all the parts that bridge the old and new — we can help you find the parts that connect your solutions.

We make it easy to locate the parts, and we quickly deliver them wherever they need to go. Just talk to one of our tech advisors or visit our website. You'll be connected to the products you need in no time.

Visit www.startech.com for complete information on all StarTech.com products and to access exclusive resources and time-saving tools.

StarTech.com is an ISO 9001 Registered manufacturer of connectivity and technology parts. StarTech.com was founded in 1985 and has operations in the United States, Canada, the United Kingdom and Taiwan servicing a worldwide market.