



# StarTech Express Card Gigabit Ethernet Network Card Instruction Manual

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**ExpressCard Gigabit Ethernet Network Card  
EC2000S**



For the most up-to-date information, please visit: [www.startech.com](http://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.

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## Introduction

The EC2000S 2-port ExpressCard Gigabit Ethernet Network Adapter Card adds two additional 10/100/1000 Mbps Ethernet ports to an ExpressCard enabled laptop or small form factor system. This can enable easily connecting to two separate physical networks simultaneously with dedicated bandwidth or providing a dedicated network port to a virtual machine running on the laptop.

Supporting features such as NDIS5 checksum and large send offload for lower CPU utilization, Wake-on-LAN (WOL) and Remote Wake-up power management, jumbo frames and VLAN tagging, this card is ready to handle a wide variety of scenarios.

With a 34mm ExpressCard form factor, this compact and portable card will fit in any ExpressCard enabled system.

## Packaging Contents

- 1 x ExpressCard/34 Ethernet Adapter
- 1 x Driver CD
- 1 x Instruction Manual

## System Requirements

- ExpressCard enabled computer system with available ExpressCard slot
- Microsoft® Windows® 2000/XP/Server 2003/Vista/Server 2008 R2/7 (32/64-bit), or Apple® Mac OS® 10.4/10.5 (Intel), or Linux®



## Installation

### Hardware Installation

The ExpressCard adapter will simply slide into the ExpressCard slot on any compatible system. Push the card all the way in, until it 'clicks' and locks into place. To eject the card, simply push the card further into the slot until it clicks, and then release and it will then be automatically ejected from the slot.

NOTE: Some ExpressCard/54 slots do not firmly hold an ExpressCard/34 card so a 34mm to 54mm stabilizer bracket may be necessary (StarTech.com ID: ECBRACKET).

### Driver Installation

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

1. Upon starting Windows or inserting the ExpressCard, 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. If not, open "My Computer" and double-click on the CD/DVD drive.
3. Enter the folder for your operating system and double-click the file "Setup.exe".
4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the

necessary drivers will be installed.

## Mac OS 10.4/10.5

1. Upon starting Mac OS or inserting the ExpressCard, insert the included Driver CD into the computer's CD/DVD drive.
2. Open a Finder window, and click on the CD icon in the Sidebar.
3. Enter the folder for your operating system and double-click the driver installation file (\*.pkg).
4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the necessary drivers will be installed.

## Specifications

<b>Host Interface</b>	ExpressCard 1.0
<b>Form Factor</b>	ExpressCard/34 (34mm)
<b>Chipset ID</b>	Realtek RTL8111E
<b>External Connectors</b>	2 x RJ45 Ethernet female
<b>LEDs</b>	2 x Gigabit Link 2 x Link/Activity
<b>Supported Standards</b>	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1Q
<b>Maximum Data Transfer Rate</b>	1000 Mbps
<b>Auto MDIX</b>	Yes
<b>Full Duplex Support</b>	Yes
<b>Buffer Size</b>	48 KB
<b>Operating Temperature</b>	0°C ~ 55°C (32°F ~ 151°F)
<b>Storage Temperature</b>	-20°C ~ 85°C (-4°F ~ 185°F)
<b>Humidity</b>	5% ~ 95% RH
<b>Dimensions</b>	115.8mm x 34.0mm x 21.0mm
<b>Weight</b>	150g
<b>Compatible Operating Systems</b>	Windows 2000/XP/Server 2003/Vista/Server 2008 R2/7 (32/64-bit), Mac OS 10.4/10.5, Linux

## Technical Support

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## Warranty Information

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## Documents / Resources

	<p><a href="#">StarTech Express Card Gigabit Ethernet Network Card</a> [pdf] Instruction Manual Express Card Gigabit Ethernet Network Card, EC2000S</p>
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## References

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