


# StarTech com ST1000PEXPSE 1-Port PCI Express 2.5Gbps Ethernet PoE Network Adapter Card User Guide

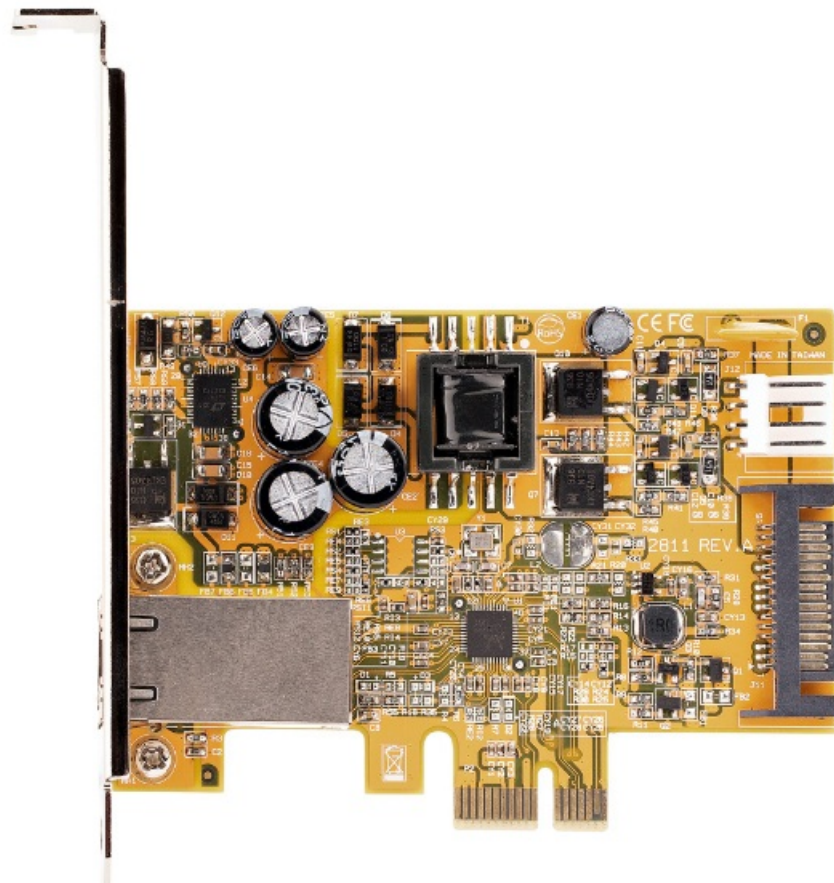
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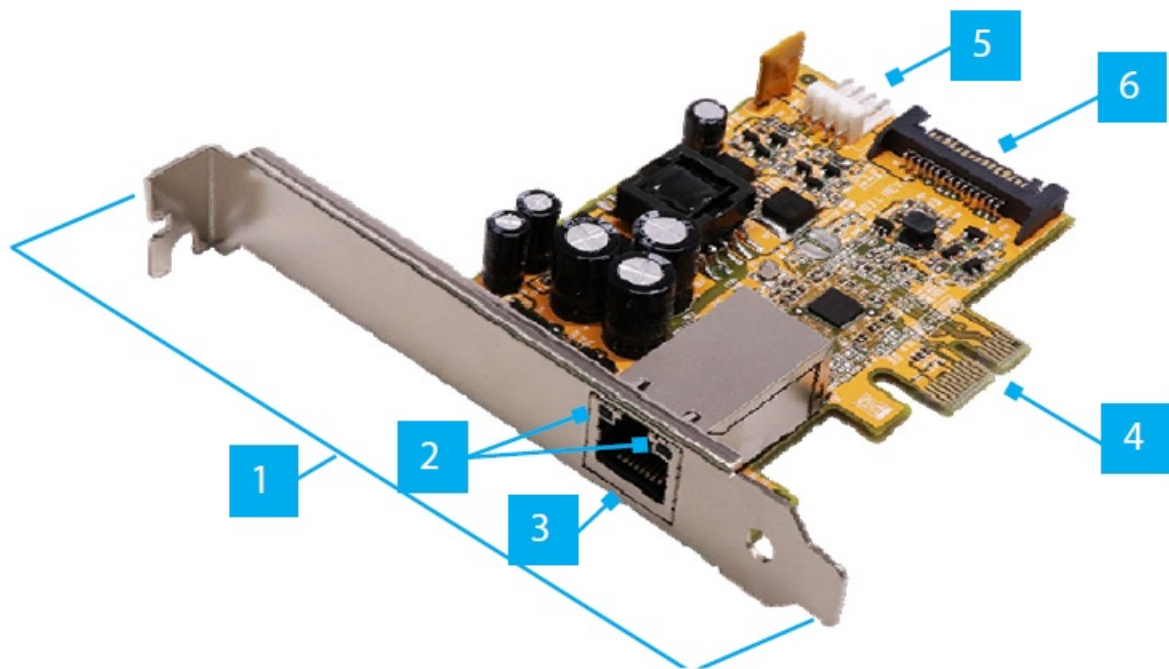
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**StarTech com ST1000PEXPSE 1-Port PCI Express 2.5Gbps Ethernet PoE Network Adapter Card**



**Product Diagram (ST1000PEXPSE)**



	Port/LED/ Connector	Function
1	Bracket	<ul style="list-style-type: none"> <li>Low-Profile and Full-Height Brackets are included</li> </ul>
2	Link/POE LED Indicators	<ul style="list-style-type: none"> <li>Indicates PoE and Link Speeds</li> <li>Left <b>LED Indicator</b> is Solid Green = PoE Power is Enabled</li> <li>Left <b>LED Indicator</b> is Off = No PoE Power</li> <li>Right <b>LED Indicator</b> is Solid Amber = 2.5Gbps Link</li> <li>Right <b>LED Indicator</b> is Solid Green = 1Gbps/100Mbps/10Mbps Link</li> </ul>
3	Ethernet Port	<ul style="list-style-type: none"> <li>Connect a <b>Network Cable</b> to the <b>Network Card</b></li> <li>Supports <b>IEEE 802.3at</b> and <b>IEEE 802.3af</b></li> </ul>
4	PCIe x1 Connector	<ul style="list-style-type: none"> <li>Insert into a <b>PCI Express Slot</b></li> </ul>
5	J5 Power Connector	<ul style="list-style-type: none"> <li>Optional: connect the <b>Host Computer Power Supply</b> (4 PIN SP4/Floppy power connector) for <b>PoE Functionality</b></li> </ul>
6	SATA Power Connector	<ul style="list-style-type: none"> <li>Optional: connect the <b>Host Computer Power Supply</b> (15 PIN SATA power connector) for <b>PoE Functionality</b></li> </ul>

## Requirements

For the latest requirements, please visit [www.startech.com/ST1000PEXPSE](http://www.startech.com/ST1000PEXPSE)

- Computer with an available PCI Express Slot (x1, x4, x8, or x16)

## Installation

### Install the PCI Express Card

PCI Express Cards can be severely damaged by static electricity. Make sure that you are properly grounded before you open your Computer Case or touch the PCI Express Card. You should wear an Anti-Static Strap when you install any computer component. If an Anti-Static Strap isn't available, discharge any built-up static electricity by touching a large Grounded Metal Surface for several seconds. Only handle the PCI Express Card by its edges and don't touch the gold connectors.

1. Turn off your Computer and any Peripheral Devices that are connected to it (for example, Printers, External Hard Drives, etc.).
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 PCI Express Slot and remove the corresponding Slot 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 card works in PCI Express x1, x4, x8, or x16 slots.
6. Gently insert the PCI Express Card into the open PCI Express Slot and fasten the Bracket to the back of the Computer Case.  
**Note:** If you install the PCI Express Card into a Small Form Factor or a Low-Profile Desktop System, it may be necessary to replace the pre-installed standard Full-Height Bracket with the included Low-Profile Bracket.
7. For PoE functionality use just one of the following
  - Connect a 4 PIN SP4 Floppy power connector from the Host Computer Power Supply to the J5 Power Connector on the card.
  - Connect a 15 PIN SATA connector from the Host Computer Power Supply to the SATA power connector on the card.
8. Return the Cover back onto your Computer Case.
9. Reconnect the Power Cable to the back of your Computer.
10. Reconnect all of the Peripheral Devices that were disconnected in step 3.
11. Turn on your Computer and Peripheral Devices.

## Install the Driver

1. Navigate to [www.startech.com/ST1000PEXPSE](http://www.startech.com/ST1000PEXPSE)
2. Click the Drivers/Downloads tab.
3. Under Driver(s), download the Driver for your operating system.
4. Follow the on-screen instructions to finish installing the Driver.

## Verify Driver Installation (Windows)

1. Navigate to the Device Manager.
2. Under Network Adapters, right-click Realtek PCIe 2.5GbE Family Controller and click Properties.
3. Confirm that the Driver is installed and working as expected.

## Verify Driver Installation (Linux)

1. Run `lsmod | grep r8125` from the command line.
2. Verify that the Driver is present in the command line.

## Regulatory Compliance

### FCC – Part 15

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:

- 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. 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.

### Warranty Information


This product is backed by a two-year warranty. For further information on product warranty terms and conditions, please refer to [www.startech.com/warranty](http://www.startech.com/warranty).

### 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.

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### Documents / Resources

	<p><a href="#">StarTech.com ST1000PEXPSE 1-Port PCI Express 2.5Gbps Ethernet PoE Network Adapter Card [pdf] User Guide</a></p> <p>ST1000PEXPSE 1-Port PCI Express 2.5Gbps Ethernet PoE Network Adapter Card, ST1000PEXPSE, 1-Port PCI Express 2.5Gbps, Ethernet PoE Network Adapter Card, PoE Network Adapter Card</p>
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### References

- [StarTech.com | IT Pro's Trusted Source for Connectivity Accessories](#)
- [Unsere Produkte dienen IT- und A/V-Profis zum Verbinden, Konvertieren, Erweitern, Splitten und Switchen | Deutschland](#)
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- [!\[\]\(849840539e55921a3851a4ff96d7400d\_img.jpg\) 30W 2.5Gbps PCIe PoE Network Card, NIC - USB 3.0 Cards | StarTech.com](#)
- [!\[\]\(c176e0b06f6c5dd85a4598b214d1ebba\_img.jpg\) StarTech.com Support](#)
- [!\[\]\(66a18e26647fc145bd9198dd182dd107\_img.jpg\) StarTech.com Warranty Policy](#)

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