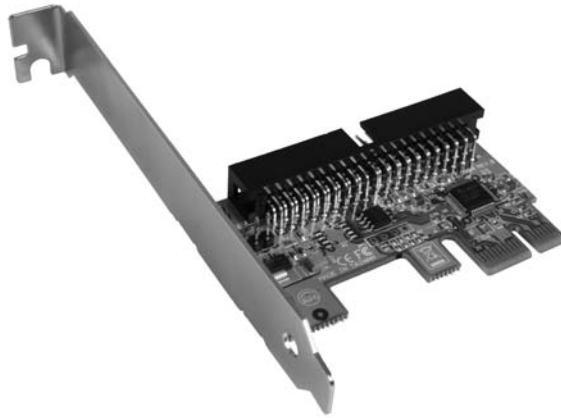# PCI Express IDE Adapter Card

1 Port PCI Express IDE Adapter Card

PEX2IDE

Instruction Manual

Actual product may vary from photo

StarTech.com

Making hard-to-find easy!

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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Table of Contents

Introduction

Thank you for purchasing a StarTech.com 1 Port PCI Express IDE Adapter Card. Using the speed and reliability of PCI Express, you will be able to add IDE connectivity to a host computer - a cost-effective way to use legacy devices with more modern computers.

Features

- Provides data burst transfer rates up to 133 MB/s

- Supports ATA/ATAPI Command

- Onboard ROM BIOS provides Boot Features

- One channel IDE support for up to two drives

- Supports PIO Mode 0/1/2/3/4, UDMA 33/66/100

- Supports 48-bit LBA mode over 137Gb

Before you begin

System requirements:

- PCI Express-enabled system with an available PCI Express slot

- Windows® 2000/XP/Server 2003/Windows Vista operating system

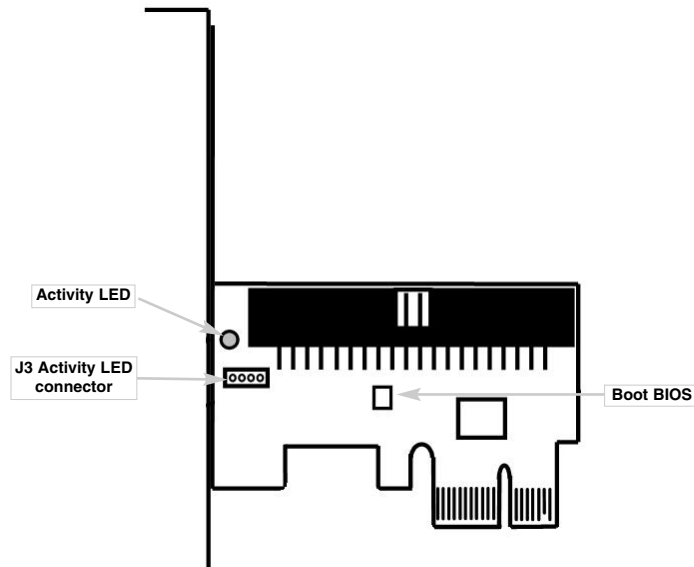### Package contents:

This package should contain:

- 1 x PCI-E IDE Adapter Card

- 1 x Internal IDE Cable

- 1 x Instruction Manual

Installation

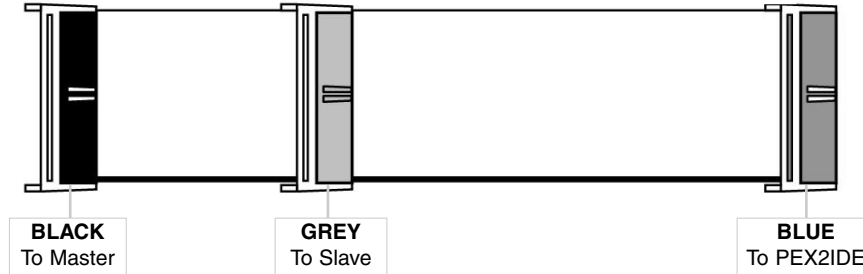## Installing the PCI Express expansion card

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 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 card by its edges and not the gold connectors.

Activity LED

J3 Activity LED connector

Boot BIOS

1. Turn **OFF** the computer power before installation.

2. Remove the chassis cover from your computer.

3. Locate an unused PCI Express slot and remove the corresponding slot cover from rear panel of the computer chassis. Retain the screw (if applicable) used to hold the slot cover in place.

4. Align the PCI Express card with the unused PCI Express expansion slot. Applying pressure evenly across the top edge of the expansion card, firmly but gently insert the card into the slot, ensuring that the card is properly aligned with the rear panel slot.

5. Secure the card to the motherboard and rear chassis, using the screw removed in step 3.

6. With the drives secured within the computer case, use the IDE cable provided to connect the Master and Slave devices to the PEX2IDE IDE connector. Please note the orientation of the IDE cable, as illustrated below.

| **BLACK**
To Master | **GREY**
To Slave | **BLUE**
To PEX2IDE |

7. Replace the chassis cover (removed in step 2).

8. Power on the computer and observe the BIOS messages that appear on the monitor. The BIOS will list all Parallel ATA devices attached to the PATA PCI Express Host Adapter. For example:

```
(Copyright Messages)

HDD0: Maxtor 6L080P0      81 GB

Press any key to continue …
```

If the information displayed on your monitor is correct (all installed devices are listed with the correct device name, etc.), the PATA PCI Express Host Adapter has successfully been installed in your computer.

Software Installation

Because PEX2IDE supports native IDE mode, driver installation is not required. Windows operating systems will detect the card and install the necessary driver automatically.

Changing the Boot Sequence

Changes to the boot sequence of the devices installed in the host computer must be made through the host computer motherboard BIOS setup utility.

1. Launch the motherboard BIOS setup utility. Normally, this can be done by pressing the **DEL** (**DELETE**) key while the BIOS is checking all hardware configurations

2. Select **Advanced** BIOS Features

3

3. Change the **Hard Disk Boot Priority** / **First Boot Device** to enable the system to boot from the designated drive.

4. Save and exit the BIOS.

Please note that due to variations in BIOS designs, the above instructions may differ from your system BIOS. For further instruction on how to complete this step, please consult the documentation that accompanied your motherboard or computer system purchase.

Specifications

Bus Type	PCI EXPRESS
Connectors	1 x 40 PIN IDC MALE
Cables	18 in internal IDE Cable
OS Support	Windows 2000/XP/2003/VISTA

Technical Support

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