

BELKIN®

FireWire 800 and USB 2.0 PCI Express™ Card

BELKIN®

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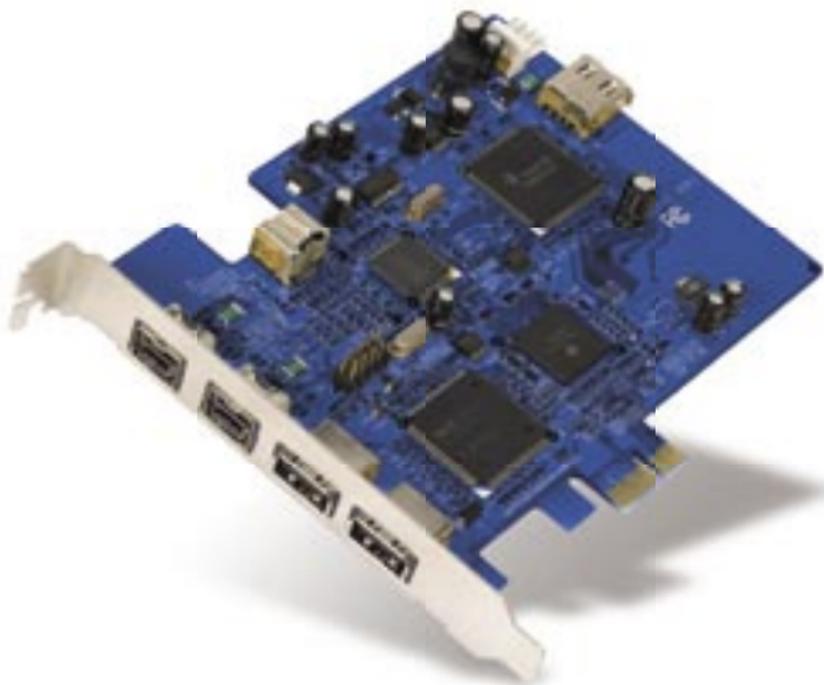
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BELKIN®

FireWire 800 and USB 2.0 PCI Express™ Card

Add FireWire® 800 and Hi-Speed USB 2.0 ports to your computer
using PCI Express technology



User Manual

F5U602

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Introduction

Introduction to PCI Express

For the last 10 years, PCI has been the mainstream interface for personal PCs, with nearly every computer using the same PCI bus specification—32-bit, running at 33MHz, and yielding a maximum data-transfer rate of only 133.3Mbps. In today's information age, with data size growing exponentially, there is increased demand for faster transfer rates. This demand led to Intel's development of the PCI Express standard, which offers increased speed and stability for data transfers.

Common PCI Express bus forms include x1, x2, x4, x8, and x16, with each form being characterized by a unique slot design. A one-path transmission on a one-lane (x1) PCI Express bus can reach speeds of up to 250MB—nearly double the standard PCI transmission speed. A 16-lane (x16) PCI Express bus can reach speeds of up to 16Gbps.

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Introduction

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Features

- Complies with one-lane 2.5Gbps PCI Express specifications
- Offers USB 2.0 transfer rate of up to 480Mbps and 1394b data transfer rate of up to 800Mbps

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Specifications

- Interface: One-lane PCI Express
- Mode: USB2.0/1394b Combo PCI Express Card
- Controller: NEC UPD720101+ TI TSB82AA2+ TI XIO2000
- Channels: 2 external USB 2.0 ports and 1 internal port
2 external 1394b ports and 1 internal port

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Environment

- Operation Temperature: 0° C ~ 57° C
- Storage Temperature: -20° C ~ 85° C
- Operation Temperature: 5 ~ 95% RH

Introduction

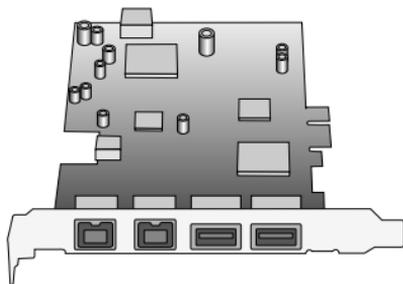
Minimum System Requirements

- Windows®-based computer with available PCI Express slot*
- Windows 2000, XP, 2003 Server

***Note:** Enclosed Card will not fit into a standard PCI slot.

Package Contents

- FireWire 800 and USB 2.0 PCI Express Card
- User Manual
- CD Driver



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Software Setup

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IMPORTANT NOTE: You must install the FireWire 800 and USB 2.0 PCI Express Card drivers prior to installing the hardware in your computer.

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1. Insert the FireWire 800 and USB 2.0 PCIe installation CD into your CD-ROM drive. After a few moments, the main menu will automatically start.

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NOTE: If the main CD does not auto-start, click the “Start” button and select “Run”. From the “Run” dialogue box, enter “<driver>:\setup.exe” and click “OK” (where “<driver>” represents the letter that identifies your CD-ROM drive under “My Computer”—e.g., if the CD is in drive D, enter “D:\setup.exe”).

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2. Select “Install Driver”. The Software Installation Wizard will appear and begin to download drivers.

Hardware Installation

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1. After completion of software setup, shut down your computer and disconnect all connected devices and peripherals.

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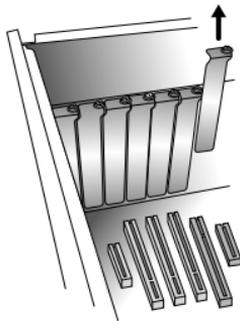
2. Remove the cover from your computer. Refer to your computer manufacturer's user manual for details on how to do this. Touch any bare metal portion of your computer case to discharge yourself of any static electricity. This prevents damage to your computer and the PCI Express Card.

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3. Locate the PCI Express slot on your computer's main circuit board. Remove the metal plate that covers the rear slot corresponding to the PCI Express slot you have selected (see image below).

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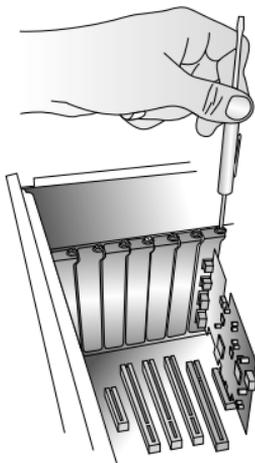
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4. Remove the PCI Express Card from its protective anti-static packaging. Handle it by the metal bracket; do not touch the gold-edged connectors. Insert the PCI Express Card into the PCI Express slot, carefully aligning the rear bracket to the computer case. Make sure that the edge of the PCI Express Card is fully inserted into the slot.

Hardware Installation

5. Replace the slot-cover screw.



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6. After installing the PCI Express Card, replace your computer's outer cover and turn on your computer.

NOTE: Do not plug any devices into the PCI Express Card until driver installation is completely finished.

7. The New Hardware Wizard will launch and recognize the PCI Express Card.
8. Windows will automatically install the correct driver.

Installation is now complete. The PCI Express Card is now ready to use.

Verifying Proper Installation

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Check the Windows Device Manager to confirm that your PCI Express Card has been properly installed.

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1. Right-click on “My Computer” and select “Manage”.

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2. Select the “Device Manager” tab.

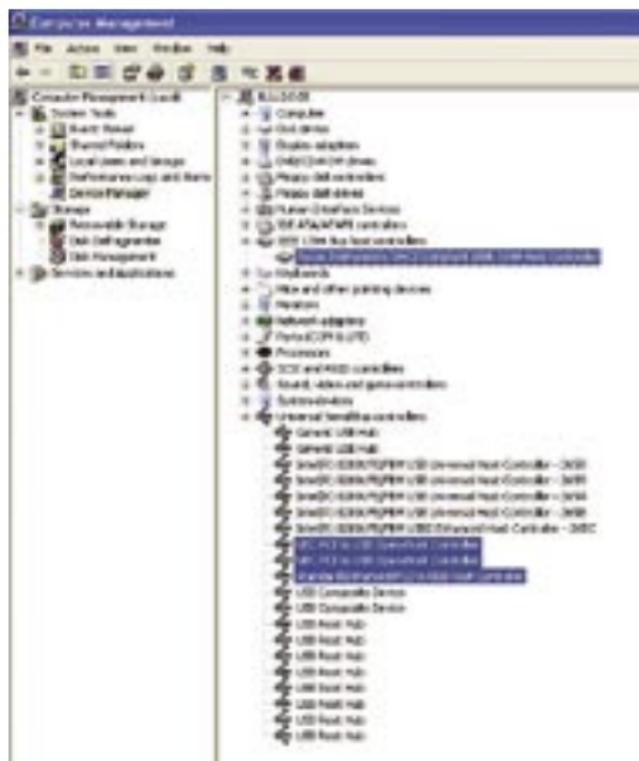
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3. Click the (+) sign next to “IEEE 1394 Bus host controllers”. The “IEEE 1394 Bus host controllers” will now include one “Texas Instruments OHCI Compliant IEEE 1394 Host Controller” entry.

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4. Click the (+) sign next to “Universal Serial Bus controllers”. It will now include two “NEC PCI to USB Open Host Controller” entries and one “Standard Enhanced PCI to USB Host Controller” entry.

Verifying Proper Installation



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Information

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FCC Statement

DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY

We, Belkin Corporation, of 501 West Walnut Street, Compton, CA 90220,
declare under our sole responsibility that the product,
F5U602

to which this declaration relates,

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.

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CE Declaration of Conformity

We, Belkin Corporation, declare under our sole responsibility that the F5U602, to
which this declaration relates, is in conformity with Generic Emissions Standard EN
55022:1998 Class B, EN50081-1 and with Generic Immunity Standard EN50082-1
1992.

Modifications

The FCC requires the user to be notified that any changes or modifications to this
device that are not expressly approved by Belkin Corporation may void the user's
authority to operate the equipment.

Belkin Corporation Limited Lifetime Product Warranty

Belkin Corporation warrants this product against defects in materials and
workmanship for its lifetime. If a defect is discovered, Belkin will, at its option,
repair or replace the product at no charge provided it is returned during the
warranty period, with transportation charges prepaid, to the authorized Belkin
dealer from whom you purchased the product. Proof of purchase may be required.

This warranty does not apply if the product has been damaged by accident, abuse,
misuse, or misapplication; if the product has been modified without the written
permission of Belkin; or if any Belkin serial number has been removed or defaced.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE IN LIEU OF
ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED. BELKIN
SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING,
WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE.

Information

No Belkin dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

1

BELKIN IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO, LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED IN, OR USED WITH, BELKIN PRODUCTS.

2

Some states do not allow the exclusion or limitation of incidental or consequential damages or exclusions of implied warranties, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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