

1394b 3-port PCIe

Quick Installation Guide

1. Introduction

The 1394b 3-port PCIe is designed to add 1394b (FireWire 800) and 1394a (FireWire) interface to your computer for data transfer rates up to 800Mbps.

1-1 Features and Benefits

- Provides three similar or dissimilar high-speed 1394b (FireWire 800) ports and 1394a (6-pin) port for multiple 1394b and 1394a device connections
- Fully supports IEEE P1394b and backwards supports 1394a-2000 as well as 1394-1995 standards
- Supports data transfer rates of 100, 200, 400 and 800Mbps
- Built-in 4-pin power connector provides extra power when connected to the system's power supply
- Works with various types of 1394b (FireWire 800) and 1394a devices including portable hard disk, DV camcorder, digital camera, CD-RW/DVD-ROM drive and other audio/video devices
- Supports hot-swapping and Plug-n-Play features

1-2 System Requirements

- PCI Express-enabled system with one available PCI Express slot
- Windows 2000/XP/Server 2003/Vista
- Power Mac G5 Dual Core or Mac Pro with one available PCI Express slot
- Mac OS 10.3.x or later

1-3 Product Layout



FP 1394b 3-Port PCIe layout



LP 1394b 3-Port PCIe layout



FP 1394b 3-Port PCIe Plus layout



LP 1394b 3-Port PCIe Plus layout

Remark: This QIG is applied for the above 4 items.

2. Installation

2-1 Static Electricity Precaution

One of the routine precautions you must be aware of when working with computer components is the problem of static electricity discharge.

Caution: Static Electricity Discharge may permanently damage your system. To avoid possible static electricity discharge during the installation, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer case (if plugged in) for a few seconds.
- During the installation, avoid any contact with internal part.

2-2 Hardware Installation

General instructions for installing the card are provided below, since the design of computer cases and motherboards vary. Refer to your computer's manual for further information, if needed.

1. Turn off the power of your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI Express slot.
5. To install the card, carefully align the card's bus connector with the selected PCI Express slot on the motherboard.
6. Push the board down firmly, but gently, until it is well seated.
7. Connect the power cable if you need sufficient power supply for the devices.

8. Close the cover of your computer and plug the power back to your computer.

2-3 Software Installation

Windows 2000 Driver Installation

Windows 2000 automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Insert the driver CD. Click **Start, Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match the drive letter of your CD-ROM drive)
2. At the Welcome screen, click **Next**.
3. At the License Agreement screen, click **Yes**.
4. Type in your customer information, then click **Next**.
5. At the Destination Location screen, click **Next**.
6. Select **Complete**, then click **Next**.
7. At Program Folder screen, click **Next**.
8. At the Digital Signature screen, click **Yes** three times, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

Windows XP Driver Installation

Windows XP automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Insert the driver CD. Click **Start, Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match the drive letter of your CD-ROM drive)
2. At the Welcome screen, click **Next**.

3. At the License Agreement screen, click **Yes**.
4. Type in your customer information, then click **Next**.
5. At the Destination Location screen, click **Next**.
6. Select **Complete**, then click **Next**.
7. At Program Folder screen, click **Next**.
8. At the Hardware Installation screen, click **Continue Anyway** three times, then click **Finish**.
9. Select the restart Windows option, then click **Finish**.

Windows Server 2003 Driver Installation

Windows Server 2003 automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Insert the driver CD. Click **Start, Run**. Type **D:\setup.exe**, click **OK**.
(Change **D:** to match the drive letter of your CD-ROM drive)
2. At the Welcome screen, click **Next**.
3. At the License Agreement screen, click **Yes**.
4. Type in your customer information, then click **Next**.
5. At the Destination Location screen, click **Next**.
6. Select **Complete**, then click **Next**.
7. At Program Folder screen, click **Next**.
8. At the Security Alert box, click **Yes**.
(Click **Yes** two times for 2003 Standard Edition)
9. At the Hardware Installation screen, click **Continue Anyway** two times (Click **Continue Anyway** three times for 2003 Standard Edition), then click **Finish**.

10. Select the restart Windows option, then click **Finish**.

Windows Vista Driver Installation

Windows Vista automatically installs its built-in 1394a driver. To get the full speed out of this controller, install the 1394b driver using the directions below.

1. Insert the driver CD. Click **Start, Run**. Type **D:\setup.exe**, click **OK**. (Change **D:** to match the drive letter of your CD-ROM drive)
2. Click **Allow**.
3. At the Welcome screen, click **Next**.
4. At the License Agreement screen, click **Yes**.
5. Type in your customer information, then click **Next**.
6. At the Destination Location screen, click **Next**.
7. Select **Complete**, then click **Next**.
8. At Program Folder screen, click **Next**.
9. At the Windows Security box, click **Install this driver software anyway** four times, then click **Finish**.
10. Select the restart Windows option, then click **Finish**.

Verify Windows Installation

1. Right click **My Computer**, click **Manage**, then click **Device Manager**.
2. Double click **1394 Bus host controllers**. **IEEE 1394b (FireWire 800) adapter** should be displayed.

Mac OS 10.3.x or later Driver Installation

Mac OS will automatically detect and install the correct driver for the 1394b 3-port PCIe. No additional driver is necessary.

Verify Mac OS Installation

Check **System Profiler** to verify successful installation.

1. Click **Go**, then click **Utilities**.
2. Double click **System Profiler**.
3. Click **FireWire** and another **FireWire Bus** should be displayed.

2-4 ubSwitch Utility (Windows only)

In order to use a DV camcorder with this controller, Microsoft's 1394a driver must be installed in the system. We have supplied an easy to use utility that allows switching between Microsoft's driver and 1394b driver. Before using this utility, unplug all devices from the 1394b card.

1. Click **Start, Programs, Unibrain ubCore, Tools** then **ubSwitch**.
2. Right click the **ubSwitch** icon located in the system tray by the clock.
3. Click the **1394a Adapter** that you want to switch, then click on **Microsoft 1394 Drivers**.

Note: If your system has multiple 1394 adapters installed, make sure that you click on the 1394 adapter that the camcorder will be plugged into.

4. Windows will display an information box when the driver is ready for use. It may take a few seconds for this box to appear.

Note: To switch back to the 1394b driver, follow the same procedures, but in step 3 instead of clicking on **Microsoft 1394 Driver**, click on **Unibrain 1394 Drivers**.

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