DP FireWire 800 3-Port PCIe Quick Installation Guide

Introducing the *DP FireWire 800 3-Port PCIe*

The *DP FireWire 800 3-Port PCIe* is designed to add FireWire 800 (1394b) and 1394a (6-pin) interfaces to your computer.

Features and Benefits

- Provides 2 FireWire 800 (9-pin) ports and 1 FireWire 400 (6-pin) port for multiple 1394b/1394a device connections
- Supports data transfer rates up to 800Mb/s
- Built-in 4-pin power connector provides extra power when connected to the system's power supply (recommended)
- Supports hot-swapping and Plug-n-Play connection of peripheral devices
- Works with various types of FireWire 800 and FireWire 400 devices including portable hard disks, DV camcorders, digital cameras, CD-RW/DVD-ROM drives and other audio/video devices

System Requirements

- PCI Express equipped system with an available PCI Express slot
- Windows®8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2 / 2000
- Mac OS®X v10.4 or later

Package Contents

- *DP FireWire 800 3-Port PCIe* board
- "Y" split power cable and spare low profile bracket
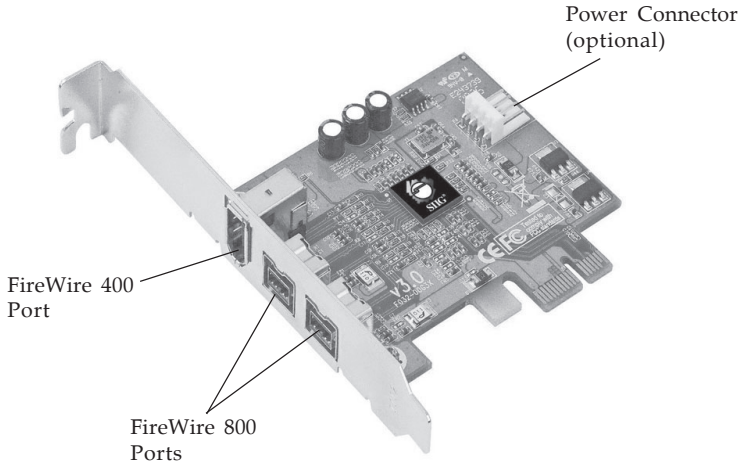- Driver CD
- Quick installation guide

Board Layout

Power Connector (optional)

FireWire 400 Port

FireWire 800 Ports

Figure 1: Board Layout

Note: The power connector (same as the one used with your floppy disk drive) is designed to provide additional power to the board when needed. This connection is **optional**. However, we recommend to connect this power connector when the following conditions occur:

- All ports are used.

- Device(s) not being detected.

In case you need to connect this power connector, power off your system first before making this connection.

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 reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer and any other connected peripheral devices. Unplug the computer's power cord.

2. Remove your computer's cover and install the card in an available PCI Express slot.

   Note: For low-profile system chassis, remove the installed full size bracket and install the low profile bracket now.

3. Push the board down firmly, but gently, until it is well seated.

4. Connect an available 4-pin power connector from the system power supply to the 4-pin power connector on the *DP FireWire 800 3-Port PCIe* board (See Figure 1 on page 2). This connection is recommended for reliable power output. The included "Y" split power cable can be used to provide additional 4-pin power connector.

5. Secure the card and replace the cover.

Driver Installation

Windows OS automatically installs it's built-in FireWire 400 driver for the *DP FireWire 800 3-Port PCIe*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below.

This section provides information on how to install the FireWire 800 drivers.

Windows 8 (32-/64-bit)

1. Insert the driver CD. Click **Windows key** and **R**.

   For 32-bit: Ttype **D:\setup32.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

   For 64-bit: Type **D:\setup64.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

2. Follow the on screen instructions to complete the installation.

Windows 7 (32-/64-bit) / Server 2008 R2

1. Insert the driver CD. Click **Start**.

   For Windows 7 32-bit: In the **Search programs and files** box, type **D:\setup32.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

   For Windows 7 64-bit, Server 2008 R2: In the **Search programs and files** box, type **D:\setup64.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

2. Follow the on screen instructions to complete the installation.

Windows Vista (32-/64-bit)

1. Insert the driver CD. Click **Start**.

    For 32-bit: In the **Start Search** box, type **D:\setup32.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

    For 64-bit: In the **Start Search** box, type **D:\setup64.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

2. Follow the on screen instructions to complete the installation.

Windows XP (32-/64-bit)

1. Insert the driver CD. Click **Start**, **Run**.

    For 32-bit: Type **D:\setup32.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)

    For 64-bit: Type **D:\setup64.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter).

2. Follow the on screen instructions to complete the installation.

Windows Server 2003 (32-/64-bit)

1. Insert the driver CD. Click **Start**, **Run**.

    For 32-bit: Type **D:\setup32.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)

    For 64-bit: Type **D:\setup64.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)

2. Follow the on screen instructions to complete the installation.

Windows Server 2008 (32-/64-bit)

1. Insert the driver CD. Click **Start**.

    For 32-bit: In the **Start Search** box, type **D:\setup32.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

    For 64-bit: In the **Start Search** box, type **D:\setup64.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

2. Follow the on screen instructions to complete the installation

Windows 2000

1. Insert the driver CD. Click **Start**, **Run**. Type **D:\setup32.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)

2. Follow the on screen instructions to complete the installation.

To Verify Windows Installation

1. Check Device Manger to verify installation.

    For Windows 8 / 7 / XP / Server 2003 & 2008 R2 / 2000: Right click **Computer** or **My Computer**, click **Manage**, then click **Device Manager**.

    For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, click **Device Manager**.

    For Windows Server 2008: Right click **Computer**, click **Manage**, double click **Diagnostics**, click **Device Manager**

2. Double click **1394 Bus host controllers**. **Unibrain driver/OHCI Compatible Board** or **IEEE 1394b (FireWire 800) adapter** should be displayed.

Mac OS X v10.4 or later

Mac OS will automatically detect and install the correct driver for the *DP FireWire 800 3-Port PCIe*. No additional driver is necessary.

To Verify Mac OS Installation

Check **System Profiler** to verify installation.

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

Connecting Devices

General driver installation steps are provided below. Please review your device's user manual for more details.

Windows 8 / 7 / Vista / Server 2008 & 2008 R2

Windows 8, 7, Vista, Server 2008 or 2008 R2 will automatically detect and install most FireWire devices when connected. However, for devices that do not install automatically, additional drivers maybe required. Refer to the device's users manual and/or contact the device's manufacturer for the correct driver.

Windows XP

1. At the Found New Hardware Wizard.
    For XP w/SP2 or later: Select **No, not this time**, then click **Next**.
    For XP w/SP1 or earlier: Go directly to step #2.
2. Select **Install the Software Automatically**, click **Next**.
3. Click **Continue Anyway**. (Skip if not prompted)
4. Click **Finish** to complete the installation.

Windows Server 2003

1. At the Found New Hardware Wizard.

    For Server 2003 w/SP1 or later: Select **No, not this time**, then click **Next**.

    For Server 2003: Go directly to step #2.
2. Select **Install the Software Automatically**, click **Next**.
3. At the Security Alert box click **Yes**, or the Hardware Installation box click **Continue Anyway**, then click **Finish** to complete the installation.

Windows 2000

1. At the Found New Hardware Wizard, click **Next**.
2. Select **Search for a suitable driver...**, then click **Next**.
3. Uncheck all check boxes, click **Next**, click **Next**.
4. Click **Finish** to complete the installation.

Mac OS

Mac OS will automatically detect and install most FireWire devices when connected. If additional drivers are required, refer to the device's users manual.

ubSwitch Utility (Windows only)

In order to use a DV camcorder with this controller, Microsoft's FireWire 400 driver must be installed in the system. We have supplied an easy to use utility that allows switching between Microsoft's driver and the FireWire 800 driver. *Before using this utility, unplug all devices from the FireWire 800 card.*

The steps, taken from Windows XP, may be different for other Windows operating systems.

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 **1394 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 FireWire 800 driver, follow the same procedures, but in step 3 instead of clicking on **Microsoft 1394 Drivers**, click on **Unibrain 1394 Drivers**.

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Technical Support and Warranty

QUESTIONS? SIIG' s **Online Support** has answers! Simply visit our web site at *www.siig.com* and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analyst will promptly respond.

SIIG offers a 3-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for three (3) years from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased it.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request. Go to **www.siig.com**, click **Support**, then **Request A Product Replacement** to submit a request to SIIG RMA or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

Step 2: After obtaining an RMA number, ship the product.
- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping to SIIG. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA #: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/ Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

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