eSATA II PCIe Pro
Quick Installation Guide

Introducing the *eSATA II PCIe Pro*

The *eSATA II PCIe Pro* is an ultra high-speed dual channel Serial ATA Generation 2 controller for use in PCI Express- enabled systems.

Features and Benefits

- Compliant with PCI Express Base Specification 1.0a
- Compliant with Serial 1.0a Specification with support for full complement of SATA II optional features
- PCI Express 1-lane (x1) SATA II adapter works with PCI Express slots with different lane width
- Supports data transfer rates up to 3.0Gb/s (300MBps)
- Supports Native Command Queuing (NCQ), Non-zero offsets NCQ, and Out-of-order date delivery NCQ

System Requirements

- PCI Express enabled 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) / 2008 R2 / 2000
- Mac OS X v10.4.9 to 10.5.6

Package Contents

- *eSATA II PCIe Pro*
- Driver CD & quick installation guide

Layout

HDD LED pins
(Front chassis LED; connects horizontally)

eSATA connectors
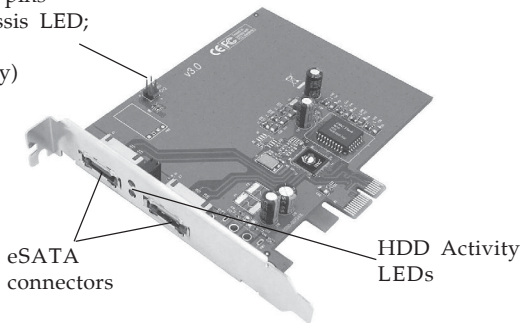
HDD Activity LEDs

Figure 1. eSATA II PCIe Pro Layout

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 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.

2. Unplug the power cord and remove the cover.

3. Remove the slot bracket from an available PCIe slot.

4. Carefully align the card to the selected PCIe slot push the board down firmly, but gently, until it is well seated.

5. Replace the slot bracket holding screw to secure the card. Replace the computer cover and reconnect the power cord.

Windows Driver Installation

This section provides information on how to install the *eSATA II PCIe Pro* drivers.

Windows 8 (32-/64-bit)

New Windows 8 (32-/64-bit) Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At **Where do you want to install Windows?**, click **Load Driver**.

3. Insert driver CD, click **Browse**. Close the **AutoPlay** box if prompted.

4. Double click **CD Drive... Driver**.

5. *For Windows 8 32bit*: Double click **Win 8**, click **32bit**, then click **OK**.

   For Windows 8 64bit non-Itanium processors: Double click **Win 8**, and double click **64bit.** Select **AMD64**, then click **OK**.

   For Windows 8 64bit Itanium processors: Double click **Win 8**, and double click **64bit.** Select **IA64**, then click **OK**.

6. At **Select the driver to be installed**, click **Next**.

7. At **Where do you want to install Windows?**, re-insert your Windows installation disk.

8. Wait several seconds, then follow the on-screen instructions to complete Windows installation.

Existing Windows 8 (32-/64-bit) Installation

1. Install the board and boot up Windows.

2. At the Windows desktop, insert the driver CD. Close the **AutoPlay** box if prompted.

3. Right click **Computer**, click **Manage**, then click **Device Manager**.

4. Right click **Serial ATA Controller**, click **Update Driver Software**.

5. Click **Browse my computer for driver software**.

6. Type **D:\Win 8**, click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

7. Click **Close** and restart the computer.

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

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

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At **Where do you want to install Windows?**, click **Load Driver**.

3. Insert driver CD, click **Browse**. Close the **AutoPlay** box if prompted.

4. Double click **CD Drive... Driver**.

5. *For Windows 7 32bit*: Double click **Win7**, click **32bit**, then click **OK**.

   For Windows 7 64bit / Server 2008 R2 non-Itanium processors: Double click **Win7**, and double click **64bit.** Select **AMD64**, then click **OK**.

   For Windows 7 64bit / Server 2008 R2 Itanium processors: Double click **Win7**, and double click **64bit.** Select **IA64**, then click **OK**.

6. At **Select the driver to be installed**, click **Next**.

7. At **Where do you want to install Windows?**, re-insert your Windows installation disk.

8. Wait several seconds, then follow the on-screen instructions to complete Windows installation.

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

1. Install the board and boot up Windows.
2. At the Windows desktop, insert the driver CD. Close the **AutoPlay** box if prompted.
3. Right click **Computer**, click **Manage**, then click **Device Manager**.
4. Right click **Serial ATA Controller**, click **Update Driver Software**.
5. Click **Browse my computer for driver software**.
6. Type **D:\Win7**, click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)
7. Click **Close** and restart the computer.

Windows Vista (32-/64-bit)

New Windows Vista (32-bit) Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At **Where do you want to install Windows?**, click **Load Driver**.

3. Insert driver CD, then click **Browse**.

4. Select **CD Drive ... Driver**, click **OK**.

5. At **Select the driver to be installed**, click **Next**.

6. Follow on-screen instructions to complete Windows Vista installation.

New Windows Vista (64-bit) Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At **Where do you want to install Windows?**, click **Load Driver**.

3. Insert driver CD, then click **Browse**.

4. Double click **CD Drive ... Driver**.

5. Double click **64bit** folder.

   For non-Itanium processors: Select **AMD64**, click **OK**.

   For Itanium processors: Select **IA64**, click **OK**.

6. At **Select the driver to be installed**, click **Next**.

7. Follow on-screen instructions to complete the installation.

Existing Windows Vista (32-/64-bit) Installation

1. Install the board and boot up Windows.

2. At **Found New Hardware**, select **Locate and install driver software (Recommended)**, then click **Continue**.

3. Click **Don't search online**, then insert the driver CD.

4. Click **Close** and restart the computer.

Windows XP (32-/64-bit) / Server 2003 (32-/64-bit)

New Windows XP (32-/64-bit) / 2003 (32-/64-bit) Installation

A new installation of Windows XP / Server 2003 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At the **Windows Setup** screen, press **F6** to install the *SATA II PCIe Pro* driver.

3. Insert the driver floppy disk you made above. Press **S**, then press **Enter**.

4. *For Windows XP / Server 2003 32bit*: Select **Silicon Image SiI 3132 ... Controller for Windows XP and Server 2003** and press **Enter**.

    For Windows XP / Server 2003 64bit non-Itanium processors: Select **Silicon Image SiI 3132 ... Controller (64-bit Extended)**, and press **Enter**.

For Windows XP / Server 2003 64bit Itanium processors: Select **Silicon Image SiI 3132 ... Controller (Itanium)**, and press **Enter**.

5. Press **Enter** to continue and follow the on-screen instructions to complete Windows installation.

Existing Windows XP (32-/64-bit) / 2003 (32-/64-bit) Installation

1. Install the board and boot up Windows.

2. At the **Found New Hardware Wizard**, select **No, not this time**, then click **Next**. Skip this step if not prompted.

3. Insert the driver CD, select **Install the software automatically (Recommended)**, then click **Next**.

   Close the CD driver window if prompted.

4. Click **Next**, then click **Finish** to complete the installation.

5. Restart the computer.

Windows Server 2008 (32-/64-bit)

New Server 2008 (32-bit) Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At **Where do you want to install Windows?**, click **Load Driver**.

3. Insert the driver CD, click **OK**.

4. Select **Silicon Image SiI 3132 ... Controller ...**, then click **Next**.

5. Follow the on-screen instructions to complete Windows installation.

New Server 2008 (64-bit) Installation

1. Install the board and follow Microsoft procedures to install Windows accordingly.

2. At **Where do you want to install Windows?**, click **Load Driver**.

3. Insert the driver CD, click **OK**.

4. At **Select the driver to be installed**, click **Browse**.

5. Double click **64bit** folder.
   For non-Itanium processors: Select **AMD64**, click **OK**.
   For Itanium processors: Select **IA64**, click **OK**.
6. Select **Silicon Image SiI 3132 ... Controller ...**, then click **Next**.
7. Follow the on-screen instructions to complete Windows installation.

Existing Server 2008 (32-/64-bit) Installation

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, select **Locate and install driver software (Recommended)**, then click **Don't Search Online**.
3. Insert the driver CD and Windows will search the CD and install the correct driver.
4. At **The software for this device has been successfully installed**, click **Close** to complete the installation.
5. Restart the computer.

Windows 2000

New Windows 2000 Installation

A new installation of Windows 2000 requires a floppy disk for the driver installation. To make this floppy disk, copy the **contents** of the **Floppy** folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Install the board and follow Microsoft procedures to install Windows 2000 accordingly.

2. At the **Windows 2000 Setup** screen, press **F6** to install the driver.

3. Insert the driver floppy disk you made above. Press **S**, then press **Enter**.

4. Select **Silicon Image SiI 3132 ... Controller for Windows 2000** and press **Enter**.

5. Press **Enter** to continue and follow on-screen instructions to complete the installation.

Existing Windows 2000 Installation

1. Install the board and boot up Windows 2000.

2. At the **Found New Hardware Wizard**, click **Next**.

3. Select **Search for a suitable driver for my device (recommended)**, and click **Next**.

4. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, and click **Next**. Click **Next** again to continue.

5. Click **Finish** and restart Windows to complete the driver installation.

To Verify Windows Installation

1. Use Device Manager to verify proper installation.

    For Windows 8 / 7 / Server 2008 R2: Right click **Computer,** click **Manage**, click **Device Manager**.

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

For Windows XP / Server 2003 / 2000: Right click **My Computer,** click **Manage**, click **Device Manager**.

For Windows Server 2008: Right click **Computer** and click **Manage**. Double click **Diagnostics**, click **Device Manager**.

2. Double click either **SCSI and RAID controllers** or **Storage controllers**, and **Silicon Image SiI 3132 ... Controller** should be displayed.

External Device Connection

External Serial ATA devices should come with their own accessories. In most cases, you just need to power up the external device and connect it to the external port. For more information, please refer to the device's manual.

Hot-Plugging Hard Disk Drives

To remove a drive from a powered up system, do the following.

1. Open Windows Device Manager.

2. Double click **Disk Drives**, right click the target disk and select **Disable**. The drive can be unplugged when it no longer appears.

3. When re-plugging the same drive, repeat steps 1-2, and select **Enable** instead of **Disable**.

Mac OS Driver Installation

This section provides information on how to install the *eSATA II PCIe Pro* drivers.

1. Install the *eSATA II PCIe Pro* and boot up your system. Insert the driver CD.

2. At the desktop double click **Drivers** icon.

3. Double click **Mac** folder.

4. Double click **Sil3132_1.1.9u_S.1_Pkg.pkg**.

5. Click **Continue**, **Continue**, **Continue,** then **Agree**.

6. In **OS 10.5**, click **Change Install Location**. If not, please continue with step #7.

7. Select destination drive, then click **Continue,** then click **Install**.

8. At **Authenticate** enter your password, then click **OK**.

9. Click **Close** and restart system to complete the installation.

To Verify Mac Installation

1. At the desktop, click **Go,** then click **Utilities**.

2. Double click **System Profiler**.

3. Click **PCI Cards**.

4. A **pci1095, 3132** should be displayed.

Hot-Plugging Hard Disk Drives

To remove a drive from a powered up system, do the following.

1. Click and drag the disk icon into the **Trash can**.

2. When the icon does not appear on the desktop, you can unplug the disk drive.

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 lifetime 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 the life 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 from.

B) If your purchase has passed the store's return policy period, please follow the steps below 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 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. SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.