

PEXESATA2

Instruction Manual

PCI Express eSATA Controller Card

2 Port PCI Express eSATA
Controller Adapter Card

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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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Introduction

Packaging Contents

- 1 x PCI Express eSATA Card
- 1 x Low profile bracket
- 1 x Instruction Manual
- 1 x Driver CD

System Requirements

- A CD/DVD-ROM drive (for driver installation)
- An eSATA drive to be connected to the host computer
- Microsoft Windows® 2000, XP, Server 2003, Vista

Installation

Hardware Installation

1. Shut down the computer. As an added precaution, remove the power cord from the back of the computer.
2. Open your computer case. In most designs, the case is opened by removing two or three screws at the rear of the case and then sliding the covering panel backward until it comes free. If your case is a tower style, ensure that you remove the panel
3. that will expose the top of the computer's motherboard. This is generally the left-side panel; there are many different case designs, however, so if you are unsure of how to open your particular case, consult the user manual for your case or contact your local computer store for help.

4. Remove the slot cover from the rear panel of the computer chassis that corresponds with the designated PCI Express expansion slot. Retain the screw (if applicable) used to hold the slot cover in place. Align the PCI Express card with the designated 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.
5. Secure the card to the motherboard and rear chassis, using the previously removed screw.
6. Replace the chassis cover, and power on the computer.
7. Connect serial ATA cable(s) between the SATA port provided by PEXESATA2 and the desired serial ATA device(s).
8. Power up the computer.

Driver Installation

Windows® 2000, XP, Server 2003, Vista Fresh OS installation

The following instructions pertain to new installations of Windows® 2000/XP, Server 2003 or Vista, allowing you to boot from a device attached to the SATA ports provided by PEXESATA2:

NOTE: Windows® 2000/XP/Server 2003 can only load drivers from a floppy disk. So the drivers from the CD must be copied to a floppy disk prior to installation.

1. Insert the Windows® 2000/XP/Server 2003 or Vista installation CD into the CD/DVD-ROM drive. Ensure that the computer is configured to boot from the appropriate location, from the system BIOS.
2. **2000/XP/Server 2003:** Once the boot sequence begins, press F6 for third party SCSI or driver installation (at the beginning of text mode installation). Press 'S' when setup asks if you want to specify an additional device, and insert the floppy disk. Press 'Enter' and select 'Silicon Image Sil 3132 SATALink Controller'.

Vista: When prompted to select a drive, Click the Load Drivers button and then insert the Driver CD (included with PEXESATA2) into the CD/DVD-ROM drive. Press 'Enter' and select 'Silicon Image Sil 3132 SATALink Controller'.

3. Follow the setup instructions to select your choice for partition and file system.
4. After setup examines your disks, it will copy files from the CD to the hard drive selected above and restart the system. After restart the setup process will resume installation, until complete.

Adding PEXESATA2 to an Existing Windows® 2000/XP/Server 2003/Vista installation

1. During OS boot up, Windows will display the 'Found New Hardware Wizard'. 'Mass Storage controller'.
2. Select "Install from a list or specific location (Advanced)", and click "Next", and make sure the Driver CD is in your CD/DVD-ROM drive.
3. Select "Search for the best driver in these locations", and check "Include this location in the search", while ensuring that no other checkmarks are present.
4. Type in E:\ (If your CD-ROM/DVD is E:\) then click "Browse".
5. Specify the location of the driver file (example E:\SATA Express_2Port \Sil3132 \WinXP_2000_2003_NT), and click "Open" then "OK".
6. When the wizard indicates that it found a driver for the device click 'Next'.
7. If the 'Hardware Installation' dialog appears, click 'Continue Anyway'.
8. The wizard will now copy the required files to the system and start the Driver. When the completion dialog appears, click 'Finish' to exit the wizard.

Verifying Successful Installation

Windows® 2000/XP/Server 2003/Vista

1. Right click on the 'My Computer' icon, select 'Properties', left click on the 'Hardware' tab, and then on the 'Device Manager' button.
2. Double click on 'SCSI and RAID Controllers', If there is no yellow ! or ? in front of 'Silicon Image Sil 3132 SATALink Controller', the driver is functioning correctly.
3. To view information about the devices attached to the controller, use the SilCfg Utility and click on the device from the list.

Updating Driver Files

Windows® 2000/XP/Server 2003/Vista

1. Right-click on 'My Computer' and select 'Properties'. Under the 'System Properties' section, click on the 'Hardware' tab, and then on 'Device Manager'. Click 'SCSI and RAID Controllers' and right click 'Silicon Image Sil 3132 SATALink Controller' then select 'Properties' from the context menu.
2. Click 'Driver', 'Update Driver' and select 'Search for a suitable driver for my device[Recommended]'. Insert the Driver CD in your CD-ROM/DVD drive, and click 'Next' and complete the driver installation.
3. The system will go through the enumeration process and install the driver. At the end of the process, click 'Yes' to reboot your system when necessary.

Specifications

Bus Interface	PCI Express 1.1 (x1 slot connector)
Chipset ID	Silicon Image Sil3132
Connectors	2 x eSATA
Maximum Data Transfer Rate	3.0 Gbps
Operating System Support	Windows® 2000/XP/Server 2003/ Vista

Technical Support

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Warranty Information

This product is backed by a one year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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