

# **eSATA 3Gbps 1-channel PCIe**

## **Quick Installation Guide**

### **1. Introduction**

The eSATA 3Gbps 1-channel PCIe is an ultra high-speed single channel Serial ATA Generation 2 controller for use in PCI Express-enabled system.

#### **1-1 Features and Benefits**

- Compliant with one-lane 2.5Gbps/s/direction PCI Express specification
- Compliant with Serial ATA II: Extensions to Serial ATA 1.0a Revision 1.1
- PCI Express 1-lane (x1) SATA II adapter works with PCI Express slots with different lane width
- Supports Serial ATA II data transfer rate up to 300MB/s (3.0Gb/s)
- Supports SATA II NCQ (Native Command Queuing) to maximize system performance
- Provides one external channel for SATA II harddisk drive and enclosure connection
- Hot-swapping feature allows you to attach/detach SATA device without first powering your computer off

#### **1-2 System Requirements**

- PCI Express-enabled system with one available PCI Express slot
- Windows 2000/XP/Server 2003

## **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 parts.

### **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 to 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. Replace the slot bracket holding screw to secure the board to the rear slot panel.

8. Replace the computer cover and reconnect the power cord.
9. Restart the system and refer to the next section for Software Installation.

## 2-3 Software Installation

### 2-3-1 Windows 2000 Driver Installation

1. Insert the eSATA 1-channel PCIe into PCI Express slot, then boot up to Windows system.
2. When **Found New Hardware Wizard** displays, click **Next**.
3. Check **Search for a suitable driver for my device (recommended)**, click **Next**.
4. Insert the driver CD, check **CD-ROM drives**, uncheck the other check boxes and click **Next**, then click **Next** again.
5. When **JMicron 20360/20363 AHCI Controller** displays, then click **Finish**.
6. Remove the driver CD, then click **Yes** to restart Windows and complete driver installation.

### 2-3-2 Windows XP/Server 2003 Driver Installation

1. Insert the eSATA 1-channel PCIe into PCI Express slot, then boot up to Windows system.
2. When **Found New Hardware Wizard** displays,  
*XP (w/SP1 or earlier)/Server 2003*: continue to step #3  
*XP (w/SP2 or later)/Server 2003 (w/SP1 or later)*: select **No, not at this time**, then click **Next**.
3. Insert the driver CD, check **Install the software automatically (Recommended)**, and click **Next**.
4. When Hardware Installation displays **JMicron 20360/20363 AHCI Controller**, then click **Finish**.

5. Remove the driver CD then click **Yes** to restart the Windows and complete driver installation.

### **To Verify Windows 2000/XP/Server 2003 Installation**

1. Right click **My Computer** and click **Manage**.
2. Select **Device Manager**.
3. Double click **SCSI and RAID controllers**, then double click **JMicron 20360/20363 AHCI Controller** to display driver properties.
4. A message *This device is working properly* is displayed in the dialog box, the driver has been correctly installed.



5303-0290-001