



"Technology on the move!"



Kanguru eSATA/USB ExpressCard User Guide

NOTICES AND INFORMATION

Please be aware of the following points before using your Kanguru eSATA/USB ExpressCard

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1. Introduction

Thank you for purchasing the Kanguru eSATA/USB ExpressCard. The Kanguru eSATA/USB ExpressCard fits into any 34mm ExpressCard slot and provides your laptop computer with an eSATA/USB combo port.

The multi-interface eSATA/USB combo port allows you to connect either eSATA or USB devices through a single port. The Kanguru eSATA/USB ExpressCard is compatible with USB 2.0, eSATA and Powered eSATA devices. When connected to a Powered eSATA supported device like the Kanguru eFlash, the ExpressCard is able to transfer data through eSATA while powering the device through USB.

Key Features

- Plug and play installation
- Hot swap compatible
- Fully compliant with ExpressCard 34mm wide module
- Supports one-lane 2.5Gb/s PCI Express specification
- Compliant with PCI Express specification, revision 1.0a
- Powered eSATA compatible
- eSATA
 - 3Gb/s transfer rate
 - Silicon Image chipset
- USB 2.0
 - 480Mb/s transfer rate
 - Backward compatible with USB 1.0
- Supported Operating Systems
 - Windows 2000
 - Windows Server 2003
 - Windows XP
 - Windows Vista (32 and 64 bit support)
 - Mac OS X 10.4 and later
 - Linux (32 and 64 bit support)
- Fully RoHS compliant

2. Driver Installation

The Kanguru eSATA/USB ExpressCard does not require you to install additional drivers in order to support USB devices. However, if you are using the Kanguru eSATA/USB ExpressCard to connect eSATA devices, you may have to install the necessary software drivers.

2.1 Windows Installation

Windows 2000 Driver Installation

1. While powered off, insert the Kanguru eSATA/USB ExpressCard into the ExpressCard slot on your laptop computer. Gently push the Kanguru eSATA/USB ExpressCard into the slot until it is securely in place.
2. Power on your computer and wait for Windows to start.
3. When the **Found New Hardware Wizard** appears, click on **Next**.
4. Select **Search for a suitable driver for my device (recommended)**, and then click on **Next**.
5. Insert the Driver CD that came included with your Kanguru eSATA/USB ExpressCard, unselect the other check boxes and click on **Next** and then click on **Next** again.
6. When **Silicon Image Sil 3132 SATA Controller** displays, click on **Finish**.
7. Remove the Driver CD and then click on **Yes** to complete the driver installation.
8. Reboot your system. You can now connect eSATA or Powered eSATA devices with the Kanguru eSATA/USB ExpressCard.

Windows XP / Server 2003 Driver Installation

1. While powered off, insert the Kanguru eSATA/USB ExpressCard into the ExpressCard slot on your laptop computer. Gently push the Kanguru eSATA/USB ExpressCard into the slot until it is firmly in place.
2. Power on your computer and wait for Windows to start.
3. When the Found New Hardware Wizard appears:
 - a. **Windows XP (w/SP1 or earlier) or Server 2003** - Continue to next step.
 - b. **Windows XP (w/SP2 or later) or Server 2003 (w/SP1 or later)** - Select No, not at this time, then click on Next.
4. When the **Found New Hardware Wizard** displays **Mass Storage Controller**, select **Install software automatically (recommended)**, insert the Driver CD that came included with your Kanguru eSATA/USB ExpressCard and then click on **Next**.
5. When the **Hardware Installation** displays **Silicon Image Sil SATA Controller**, click on **Next** and then click on **Finish**.
6. Remove the Driver CD and then click on **Yes** to complete the driver installation.
7. Reboot your system. You can now connect eSATA or Powered eSATA devices with the Kanguru eSATA/USB ExpressCard.

Windows Vista Driver Installation

1. While powered off, insert the Kanguru eSATA/USB ExpressCard into the ExpressCard slot on your laptop computer. Gently push the Kanguru eSATA/USB ExpressCard into the slot until it is firmly in place.
2. Power on your computer and wait for Windows to start.
3. When the **Found New Hardware Wizard** appears, select **Locate and install driver software (recommended)** and then click on **Continue**.
4. Insert the Driver CD that came included with your Kanguru eSATA/USB ExpressCard. Vista will automatically detect and install the correct driver.
5. Click on **Close** to complete the driver installation.

2.1.1 Verifying Windows Driver Installation

1. Right click on **My Computer** and select **Manage**. The **Computer Manager** appears.
2. Select **Device Manager** from the left window.
3. Double click on **SCSI and RAID Controllers**. A list of all connected SCSI and RAID Controllers appears.
4. Double click on the **Sil 3132 SATA Controller** to view the driver properties. If **This device is working properly** is displayed in the dialog box, then the driver has been installed correctly. If it does not appear, reinstall.

2.2 MAC OS X INSTALLATION

Caution Mac users: MacBooks have a slot-loading style disc drive. Do NOT insert the driver and manual CD that came included with your Kanguru eSATA/USB ExpressCard into the drive slot as the mini-CD may become stuck.

To download the necessary Mac OS X driver, please visit www.kanguru.com/express.html
Go to the **Support** section and download the **Mac-ExpressCard.zip** file.

1. While powered off, insert the Kanguru eSATA/USB ExpressCard into the ExpressCard slot on your laptop computer. Gently push the Kanguru eSATA/USB ExpressCard into the slot until it is firmly in place.
2. Power on your computer and wait for Mac OS to start.
3. Locate the **Mac-ExpressCard.zip** file downloaded from the Kanguru website and then double-click on it to extract the **siliconimage3132r5** installer file.
4. Double-click on **siliconimage3132r5** to start the installer.
5. Follow the Mac installer instructions to install the necessary drivers.

3. Safely Removing the Kanguru eSATA/USB ExpressCard

Before you disconnect your Kanguru eSATA/USB ExpressCard from the ExpressCard port of your computer, you should safely remove it first. Use the “Safely Remove Hardware” option from the system tray to safely remove the ExpressCard.

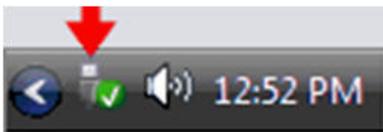
To Safely Remove Hardware:

1. Make sure no devices are connected to the Kanguru eSATA/USB ExpressCard’s eSATA/USB combo port.
2. Click on the **Safely Remove Hardware** icon located in the system tray, and then select **Safely remove Silicon Image SiI 3132 SATALink Controller** from the list.

Windows XP/2000:



Windows Vista:



3. A message will appear indicating that the device can now be safely removed. Pull the Kanguru eSATA/USB ExpressCard straight out of your laptop’s ExpressCard slot.

If a message saying “The device cannot be stopped right now” appears, please make sure any Windows Explorer windows or applications accessing the Kanguru eSATA/USB ExpressCard are closed. Then try again.

4. Warranty

This product carries a 1 year warranty from the date of purchase. Any claims for loss or damage must be made to carrier directly. Claims for shipping errors should be reported to Kanguru Solutions within three (3) working days of receipt of merchandise.

5. Tech Support

If you experience any problems installing your Kanguru product or have any technical questions regarding any of our products, please call our tech support department. Our tech support is free and available Monday thru Friday, 9am to 5pm EST.

Call 1-508-376-4245
Or visit our website at www.Kanguru.com



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