DYNEX™ •••

2-port eSATA II PCI Express Adapter

DX-ESATAP

Dynex DX-ESATAP 2-port eSATA II PCI Express Adapter

Contents

Important safety instructions

- Always read the safety instructions and *User Guide* carefully. Keep this *User Guide* for future reference.
- When using some operating systems, the driver software must be installed prior to operation.
- Do not drop or allow forceful impacts to the product, or install it in locations exposed to heavy vibrations.
- Do not disassemble or modify the product in any way. Disassembly or modification may not only void warranty, but could also cause damage or lead to fires or electric shock.
- Do not use or store the product in damp locations. Liquid entering the product may cause damage or lead to fires or electric shock.
- Before removing the PCI Express adapter from its package, safely discharge any static electricity build-up which may damage the computer or the PCI Express adapter by touching an unpainted piece of metal. Handle the card by the metal mounting bracket and printed circuit board edges only.
- Avoid touching the gold-plated PCIe connectors and the internal electronic components.
- This product is for general computer use. It is not to be used in equipment requiring exceptional reliability, particularly when the breakdown or malfunction of this product may jeopardize life or health (such as aerospace equipment, atomic power control systems, traffic-related equipment, transportation equipment, industrial robotics, combustion equipment, various safety devices, and life-support systems).

Adapter components

Package contents

- 2-port eSATA II PCI Express adapter
- DC power cables (2)
- Utility CD
- *Quick Setup Guide*

Features

- Provides two independent Serial ATA channels and external power ports
- Supports 1-lane 2.5 Gbps PCI Express
- Supports Serial ATA Generation II transfer rate of 3.0 Gbps
- Support SATA II NCQ (Native Command Queuing) to maximize system performance
- 31 commands and scatter/gather tables per port on-chip
- Provides large 4-pin internal power connector

Internal power connector

5V DC output

5V DC output

eSATA port

eSATA port
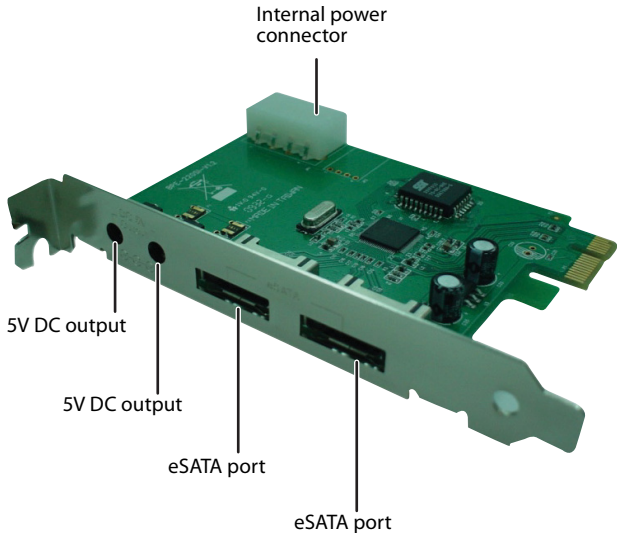
Interface

- PCI Express bus

System requirements

- PCI Express-enabled system with an available PCI Express slot
- Windows XP, Windows Vista, Windows 7, or Mac 10.4.x and above

Using the correct eSATA cable

Note: Make sure that you have the correct eSATA cable to connect your external SATA device to the PCI Express adapter.

There are two types of SATA cables available, which are used for different applications. The internal SATA type A cable has an L-shaped key on each plastic plug. This type of cable is used with an internal SATA port to connect an internal SATA drive.

The external eSATA cable has a shielded plug, which does not have an L- shaped key. The eSATA cable is designed to connect an external SATA device, so it must therefore provide better EMI (electromagnetic interference) and ESD (electrostatic discharge) prevention. This type of cable is capable of a fast data transfer rate of up to 300 MB/s.

The following picture can help you to recognize both standard SATA and eSATA cables. If you do not have an eSATA cable, you must purchase one from your local dealer.

Use this connector

SATA type A cable (has an L-shaped key)

eSATA cable (no L-shaped key)

Installing the PCI Express adapter

Installing the hardware

> *Caution: Before touching any electronic components, make sure that you first touch an unpainted, grounded metal object to discharge any static electricity stored on your clothing or body.*
>
> *Caution: Handle the PCI Express adapter by the metal mounting bracket and the printed circuit board edges only. Avoid touching the gold-plated PCIe connector and the internal electronic components.*
>
> *Note: Opening your computer's case may void your computer's warranty. Contact your computer's manufacturer before opening the case to make sure that you do not void the warranty.*

To install the PCI Express adapter:

1 Turn off your computer and unplug the power cord and all cables.

2 Open your computer case. See your computer's user guide for information about removing the cover.

3 Locate an available PCI Express slot.

Backplate

PCI connectors

PCI Express connector, X16

PCI Express connector, X1
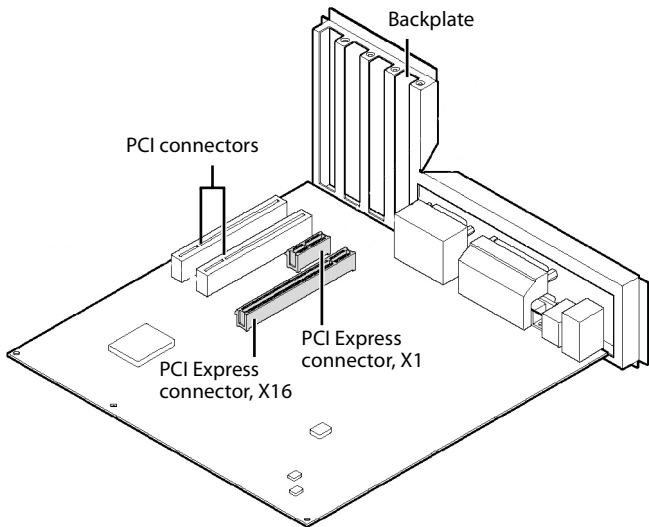
4 Remove the screw that secures the backplate, then remove the backplate. If your computer case is tooless, refer to the *User Guide* for instructions.

5 Carefully insert the adapter into the PCIe slot, seating it firmly into the slot. Do not touch the PCIe bus contacts on the adapter.

6 Secure the adapter to the case using either the screw you removed from the backplate or the tooless equivalent (depends on the case).

7   Connect an available 4-pin power plug from your computer power supply to the PCI Express adapter's JP1 power connector.

8   Close your computer's case.

9   Plug in the power cord and other cables, then turn on your computer.

Installing the software

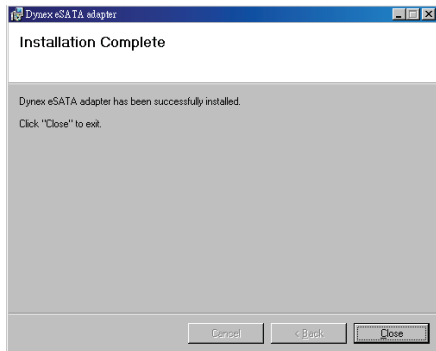## Windows OS driver Installation
To install the Windows driver:

1   Save all files and close all programs.

2   If you install the adapter first, your PC will detect the adapter and the *Found New Hardware Wizard* opens. If that happens, click **Cancel**.

3   Insert the included utility CD into your CD drive. The first driver installation utility page opens automatically.
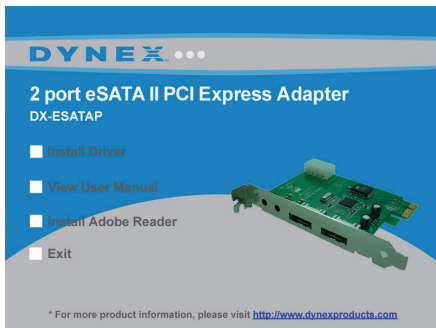
4 Click **Install Driver**. The *Welcome to the Dynex eSATA adapter Driver Setup Wizard* opens. Follow the on-screen instructions to install the driver.
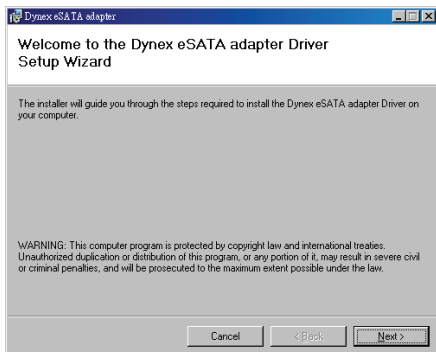
When the installation is complete, the *Installation Complete* dialog box opens.

5   Click **Close** to complete the driver installation.

6   To verify the driver installation, right-click the **My Computer** icon on your desktop, then click **Properties**.

7   Click **Device Manager**, then double-click **Silicon Image Sil 3132 SATALink Controller**. The message "This device is working properly" is displayed, confirming that the driver has been correctly installed.

MAC OS driver installation

To install the driver in Macintosh OS 10.4.x or later:

1   Save all files and close all programs.

2   Insert the included utility CD into your CD drive. The first driver installation utility page opens automatically.

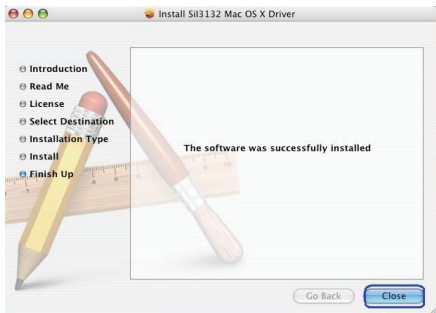3   Click **Exit**, then locate and open the "Mac driver" folder.

4 Double-click the **Sil3132_1.1.9u_sil_Pkg.pkg** file. The *Welcome to the Sil3132 Mac OS X Driver Installer* screen opens.

5 Click **Continue**, then follow the on-screen instructions to install the driver. Several screens later you are prompted to enter your (user)**Name** and **Password**.

6   Enter your default (user)**Name** and **Password**, then click
        OK. The Successful Installation dialog box opens.

7   Click **Close** to complete the installation.

Troubleshooting

Symptom	Possible Solution
The Windows Device Manager does not show the PCI Express adapter	• Make sure that the PCI Express adapter is correctly installed in the PCIe slot. • Repeat the driver installation procedure, then make sure that the device exists. Right-click the **My Computer** icon on your desktop, click **Properties**, then click the **Device Manager**. If the **Silicon Image Sil 3132 SATALink Controller** is shown, the PCI Express adapter is working correctly. • Remove the PCI Express adapter and try a different PCIe slot in case there is a device conflict. • Make sure that your computer's operating system is updated to the latest version.
An eSATA peripheral is not detected by the computer	Right-click the **My Computer** icon on your desktop, click **Properties**, then click the **Device Manager**. If the SATA peripheral is listed in the Device Manager, it should be working correctly. If it is shown as an unknown device, the cause may be a defective eSATA peripheral or its software drivers. Do the following: • Check the eSATA connection and try a different eSATA cable. • Check your SATA device's power source, and make sure that it provides enough power for your SATA device to run stably. Refer to the SATA peripheral's user guide for the power supply specifications. • Uninstall your SATA device, then reinstall the SATA device driver. • Make sure that the SATA device is using a current driver. You can download current driver software from the manufacturer's Web site.

Specifications

Chipset	Silicon Image 3132
Interface	One-lane PCI Express bus
Power port	External: $2 \times \emptyset 1.3$ DC Jack
Internal	1×4-pin power connector
System environment	Operating temperature: 41°F~104°F (5°C~40°C) Operating humidity: 20%~80% RH
System requirements	Windows XP, Windows Vista, Windows 7, Mac 10.4.x or higher
Certification	FCC Class B, ICES-003

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within 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 technician for help.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.

Notices

Specifications and features are subject to change without notice or obligation. For service and support call (800) 305-2204.

One-year limited warranty

Dynex Products ("Dynex") warrants to you, the original purchaser of this new **DX-ESATAP** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Dynex brand Products and packaged with this warranty statement. This warranty does not cover refurbished product. If you notify Dynex during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for one year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 25 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Dynex-approved repair person dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Dynex to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. DYNEX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. DYNEX PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Dynex:

For customer service please call 1-800-305-2204

www.dynexproducts.com

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