

SATA 150 PCI Card 2-Channel

User Manual

Ver. 1.00

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Features

- Silicon Image SiI3512 SATA controller chip
- Compliant with PCI Specification, Rev. 2.3
- Compliant with Serial ATA 1.0 specification
- Provides two independent channels to support up to two Serial ATA drives
- Supports SATA up to 150MB/Sec
- Supports Windows® 2000, XP/2003 32/64 bit, Vista 32/64bit

Connectors

- 2 x internal SATA connectors

Package Contents

- 1 x SATA 150 PCI Card 2-Channel
- 1 x Driver CD
- 1 x Manual

Note: Contents may vary depending on country/market

System Requirements

- Pentium-class computer with one available PCI slot
- Windows® 2000, XP/2003 32/64 bit, Vista 32/64bit

Hardware Installation

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 slot.
5. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
6. Replace the slot bracket's holding screw to secure the card.

Device Connection

The SATA 150 PCI Card is a two channel Serial ATA controller that supports up to two Serial ATA hard disk drives.

1. Install your hard disk drive(s) in chassis.
2. Connect the Serial ATA hard disk drive to the system power supply using the included Serial ATA power cable.
3. Connect one end of the Serial ATA cable to the hard disk drive.
4. Attach the other end of the Serial ATA cable to the Serial ATA port on the SATA 150 PCI Card.
5. Follow the same instructions to connect up to two hard drives.

Device connection is now complete.

6. Replace the computer cover and reconnect the power cord.

Driver Installation

For Windows® 2000

For A New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the “PCI_IO\Sata\Non-RAID” folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Windows® 2000 installation procedure.
2. Restart the computer when prompted by the installation.
3. At the Windows® 2000 Setup screen, press **F6** to install the driver.
4. When prompted, press **S** to specify the location of the driver.
5. Insert the floppy disk, then press **Enter**.
6. Select **Silicon Image SiI 3x12 SATALink Controller for Windows NT 4.0 and 2000**, then press **Enter**.
7. Press **Enter** again to finish driver installation, then follow the on-screen instructions to complete the Windows installation.

For An Existing Installation

1. At **Found New Hardware Wizard**, click **Next**.
2. Select **Search for a suitable driver for my device(recommend)** then click **Next**.
3. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, click **Next**, then click **Next** again.
4. If the **Digital Signature Not Found** message appears, click **Yes**. Our driver has been thoroughly tested for stability and compatibility.
5. Click **Finish**.

For Windows® XP/Server 2003

For New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the “PCI_IO\Sata\Non-RAID” folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Microsoft’s Windows installation procedure.
2. Restart the computer when prompted by Windows’ installation.
3. At the Windows Setup screen, press **F6** to install the driver.
4. When prompted, press **S** to specify the location of the driver.

5. Insert the floppy disk, then press **Enter**.
6. Select **Silicon Image Sil 3x12 SATALink Controller for Windows XP/Server 2003**, then press **Enter**.
7. Press **Enter** to finish driver installation, then follow the on-screen instructions to complete the Windows installation.

Note: If the **Security Alert** warning pops up, click **Yes**. Our driver has passed Microsoft compatibility testing, this message appears during new installation.

For An Existing Installation

1. At the **Found New Hardware Wizard**:
XP(w/SP1 or earlier)/Server 2003: continue to step #2
XP(w/SP2 or later)/Server 2003(w/SP1 or later): select **No, not this time**, then click **Next**.
2. Insert the driver CD, select **Install the software automatically (Recommended)**, and click **Next**.
3. Click **Finish**.

For Windows® XP-x64/Server 2003-x64

For New Installation

A new installation requires a floppy disk for the driver

installation. To make this floppy disk, copy the contents of the “PCI_IO\Sata\64-bit Windows IDE Driver” folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Microsoft’s Windows installation procedure.
2. Restart the computer when prompted by Windows’ installation.
3. At the Windows Setup screen, press **F6** to install the driver.
4. When prompted, press **S** to specify the location of the driver.
5. Insert the floppy disk, then press **Enter**.
6. Select **Silicon Image SiI 3x12 SATALink Controller (64-bit Extended)** or **Silicon Image SiI 3x12 SATALink Controller (Itanium)**, then press **Enter**.
7. Press **Enter** to finish driver installation, then follow the on-screen instructions to complete the Windows installation.

Note: If the **Security Alert** warning pops up, click **Yes**. Our driver has passed Microsoft compatibility testing, this message appears during new installation.

For An Existing Installation

1. At the **Found New Hardware Wizard**:
XP(w/SP1 or earlier)/Server 2003: continue to step #2
XP(w/SP2 or later)/Server 2003(w/SP1 or later): select **No, not**

this time, then click **Next**.

2. Insert the driver CD, select **Install the software automatically (Recommended)**, and click **Next**.
3. Click **Finish**.

For Windows® Vista

For New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the “PCI_IO\Sata\Non-RAID” folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Microsoft’s Windows installation procedure.
2. Restart the computer when prompted by Windows’ installation.
3. At the Windows Setup screen, press **Load Driver** to install the driver.
4. Insert the floppy disk, please select **Silicon Image SiI 3512 SATALink Controller (A:\si3112.inf)**, then press **Next**. (Change **A:** to match your floppy drive letter)
5. Follow the on-screen instructions to complete the Windows installation.

For An Existing Installation

1. At **Found New Hardware Wizard**, select **Locate and install driver software (recommended)**.
2. Insert the driver CD, click **Next**.
3. If the system prompts the user informing the drivers are not signed, select the option **Install this driver software anyway**.
4. Click **Close** to complete the installation.

For Windows® Vista-x64

For New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the “PCI_IO\Sata\64-bit Windows IDE Driver” folder, found on the driver CD, onto a blank floppy disk then follow the directions below.

1. Follow Microsoft’s Windows installation procedure.
2. Restart the computer when prompted by Windows’ installation.
3. At the Windows Setup screen, press **Load Driver** to install the driver.
4. Insert the floppy disk, please select **Silicon Image SiI 3512 SATALink Controller (A:\si3112.inf)**, then press **Next**. (Change

A:\ to match your floppy drive letter)

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

For An Existing Installation

1. At **Found New Hardware Wizard**, select **Locate and install driver software (recommended)**.
2. Insert the driver CD, click **Next**.
3. If the system prompts the user informing the drivers are not signed, select the option **Install this driver software anyway**.
4. Click **Close** to complete the installation.

To Verify Windows® Installation

1. Right click **My Computer** and click **Manage**.
2. Select **Device Manager**.
3. Double click **SCSI and RAID Controller**, then double click **Silicon Image SiI 3512 SATALink Controller** to display driver properties. A message this device is working properly is displayed in the dialog box, the driver has been correctly installed.