

SATA 150 4-Channel PCI Card

User Manual

Ver. 1.00

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Features

- Silicon Image Si3114 SATA controller chip
- Compliant with PCI Specification, Rev. 2.3, 32-bit, 33/66Mhz
- Compliant with Serial ATA 1.0 specification
- Provides four independent channels to support up to four Serial ATA drives
- Supports SATA up to 150MB/Sec
- Supports Windows® 2000, XP/2003 32/64 bit, Vista 32/64bit

Bus Interface

- PCI Bus 32bit

Connectors

- 4 x internal SATA connectors
- 2 x external eSATA connectors

Package Contents

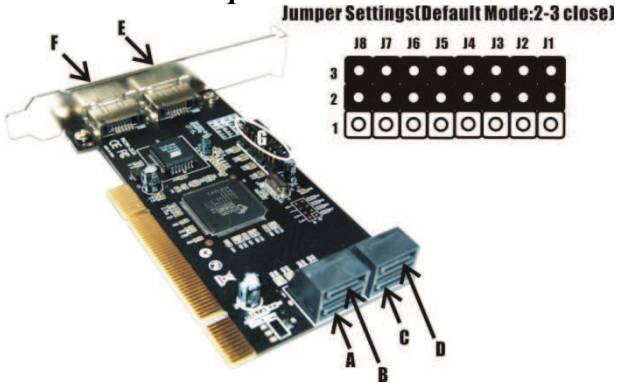
- 1 x SATA 150 4-Channel PCI Card
- 1 x Driver CD
- 1 x SATA Data Cable
- 1 x Manual

Note: Contents may vary depending on the market/country.

System Requirements

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

Hardware Description



G (Jumper Settings)		
JP	Description	Active Port
J1-J4	1-2 close	Enable SATA Connector F
	2-3 close	Enable SATA Connector C
J5-J8	1-2 close	Enable SATA Connector E
	2-3 close	Enable SATA Connector D

Note: There are six SATA ports in SATA 150 4-Channel PCI Card. We name these ports from A to F. Ports A to D are internal SATA ports. Ports E and F are external SATA ports. Changing the jumper settings on the SATA 150 4-Channel PCI Card allows you to select between external and internal ports to use. By default, Port A, B, C and D are working.

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 four channel Serial ATA controller that supports up to four 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 controller on the SATA 150 PCI Card.
5. Follow the same instructions to connect up to four 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_IOSil 3114\Driver\IDE” 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 Si1 3114 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 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\SiI 3114\Driver\IDE**” 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 3114 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 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\SiI 3114\64-bit Windows\IDE**” 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 3114 SATALink Controller (64-bit Extended)**, 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 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_IOSiI 3114\Driver\IDE" 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 3114 SATALink Controller (A:\si3114.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 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\SiI 3114\64-bit Windows\IDE” 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 3114 SATALink Controller (A:\si3114.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 3114 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.