

PCIe SATA II 300 Card

User Manual

Ver. 1.00

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Features and Benefits

- Silicon Image SiI 3132
- Compliant with PCI Express Base Specification 1.0a
- Compliant with Serial ATA 1.0 specification with support for full complement of SATA II optional features
- Installs in any available PCI Express slot and supports data transfer rates up to 3.0Gbps
- Supports Native Command Queuing (NCQ), Non-zero offsets NCQ, and Out-of-order data delivery NCQ
- Supports hard disk hot-plugging
- Supports Windows® 2000, XP, 2003 and Vista

Connectors

- 2 x internal SATA connectors

System Requirements

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

Package Contents

- 1 x PCIe SATA II 300 Card
- 1 x Driver CD
- 1 x Manual

Note: Contents may vary depending on country/market.

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 Express slot.
5. To install the card, carefully align the card's bus connector with the selected PCI Express 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

Serial ATA hard drives should come with their own accessories. In most cases, you just need to power up the device and connect them to the ports.

BIOS Configuration

The PCIe SATA II 300 Card BIOS will appear every time your system starts up. If the BIOS doesn't show, please try your controller in another PCI Express slot. During this (POST) process, the BIOS will show up and indicate the devices attached to it.

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\SiI3132\Driver\SATA” 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 3132 SATALink Controller for Windows 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. Install the board and boot up to Windows® 2000.
2. At **Found New Hardware Wizard**, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)**, then click **Next**.
4. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, click **Next**, then click **Next** again.
5. If the **Digital Signature Not Found** message appears, click **Yes**. Our driver has been thoroughly tested for stability and compatibility.
6. Click **Next**, then **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\SiI3132\Driver\SATA” 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 3132 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 #3
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. Accept the default entry, then click **Next**.
4. 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\SiI3132\Driver\64-bit Windows\SATA” 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. Inset the floppy disk, then press **Enter**.
6. Select **Silicon Image SiI 3132 SATALink Controller (64-bit Extended)** or **Silicon Image SiI 3132 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 #3
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\SiI3132\Driver\SATA” 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 3132 SATALink Controller (A:\si3132.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\SiI3132\Driver\64-bit Windows\SATA**” 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 3132 SATALink Controller (A:\si3132.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 3132 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.