4 channel PCIex4 to SATA II Card RC218

User Manual

Features
- Marvell 88SX7042 chipset
- 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
- Supports SATA II Native Command Queuing (NCQ)
- Provides four independent channels to support up to four Serial ATA drives
- Supports SATA up to 300MB/Sec
- Supports Windows® 2000, XP/2003 32/64 bit, Vista 32bit

Bus Interface
- PCI-Express x 4

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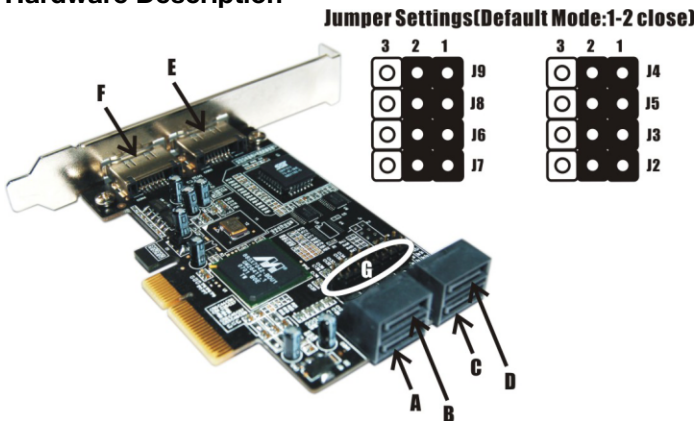- 2 x external eSATA connectors

Package Contents
- 1 x PCIe SATA II 300 4-Channel Adapter RC218
- 1 x Driver CD
- 2 x SATA Data Cable
- 1 x Manual
- 1 x Low Profile bracket
- 1 x Floppy disk for fresh installation

System Requirements
- PCI Express-enabled system with one available PCI Express slot.
- Windows® 2000, XP/2003 32/64 bit, Vista 32bit

Hardware Description

Jumper Settings(Default Mode:1-2 close)

G (Jumper Settings)		
JP	Description	Active Port
J2-J5	1-2 close	Enable SATA Connector D
	2-3 close	Enable SATA Connector E
J6-J9	1-2 close	Enable SATA Connector C
	2-3 close	Enable SATA Connector F

3

Note: There are six SATA ports in PCIe SATA II 300 4-Channel Adapter. We name these ports A to F. Ports A to D are internal SATA ports and E & F are external SATA ports. By changing the jumper setting on the PCIe SATA II 300 4-Channel Adapter that 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 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

The PCIe SATA II 300 4-Channel Adapter 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 PCIe SATA II 300 4-Channel Adapter.
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 New Installation
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 **Marvell 88SX7042 Serial ATA Adapter** for Windows
      2000/XP/Server2003/Vista, then press **Enter**.
7.   Press **Enter** to finish driver installation, then follow the on-screen
      instruction 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 **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

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 **Marvell 88SX7042 Serial ATA Adapter** for Windows 2000/XP/Server2003/Vista, 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.   If the **Hardware Installation** window pops up, click **Continue Anyway**, then **Finish**. Our driver has been thoroughly tested for stability and compatibility.
4.   Click **Finish**.

For Windows® XP-x64/Server 2003-x64
For New Installation
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 **Marvell 88SX7042 Serial ATA Adapter** for Windows XP/Server2003x64, 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
      At the **Found New Hardware Wizard**, select **No, not this time**, then click **Next**.
1.   Insert the driver CD, select **Install the software automatically**

(Recommended), and click **Next**.

2.　If the **Hardware Installation** window pops up, click **Continue Anyway**, then **Finish**. Our driver has been thoroughly tested for stability and compatibility.

3.　Click **Finish**.

For Windows® Vista

For New Installation

1.　Follow Microsoft's Windows installation procedure.
2.　At the Windows Setup screen, press **Load Driver** to install the driver.
3.　Insert the floppy disk, please select **Marvell Serial ATA Gen 2 PCI Express Adapter (A:\i386\mvsata.inf)**, then press **Next**. (Change **A:** to match your floppy drive letter)
4.　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.　Please insert the CD driver into your CD-ROM Drive, 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 or Storage controllers in Vista**, then double click **Marvell Serial ATA Gen 2 PCI Express Adapter** to display driver properties. A message this device is working properly is displayed in the dialog box, the driver has been correctly installed.

Thank you for purchasing a quality Rosewill Product.
Please register your product at : www.rosewill.com for complete warranty information and future support for your product.