PCIe SATA II 300 4-Channel Adapter

User Manual

Ver. 2.00

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Features

- Marvell 88SX7042 chipset
- Upwards compatible with PCI-Express 8x, 16x
- 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, Server 2003, Vista

Bus Interface

- PCI-Express x 4

Connectors

- 4 x internal SATA connectors
- 2 x external eSATA 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 4-Channel Adapter
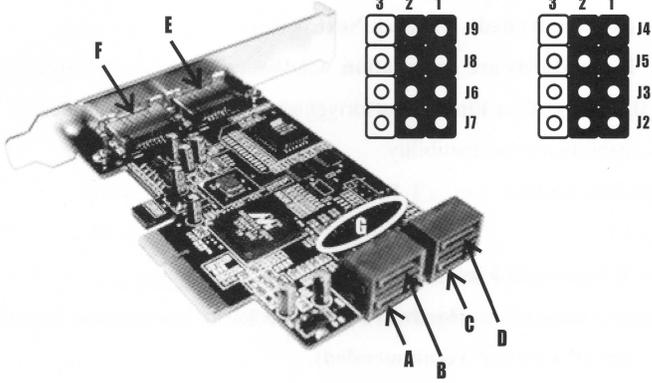- 1 x Driver CD
- 1 x User's Manual

Optional Accessories

- SATA Data Cable
- SATA Power Cable

Hardware Description

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.

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**

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

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

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® Vista

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 Driver Installation

1. Right click **My Computer** and click **Manage**.
2. Select **Device Manager**.
3. Look for the following:

   Windows® 2000/XP/2003:   Double click **SCSI and RAID Controller:**

   -Marvell Serial ATA Gen 2 PCI Express Adapter should be displayed

   Windows® Vista: Double click **Storage controllers:**

   -Marvell Serial ATA Gen 2 PCI Express Adapter should be displayed