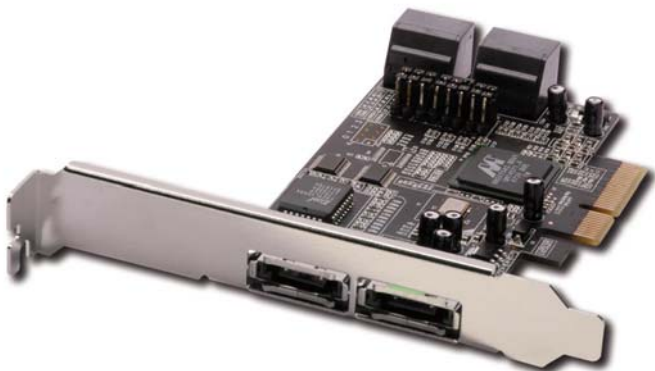# DIGITUS®

4-CHANNEL SATA II PCI EXPRESS CARD

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 7, Vista, XP, 2000
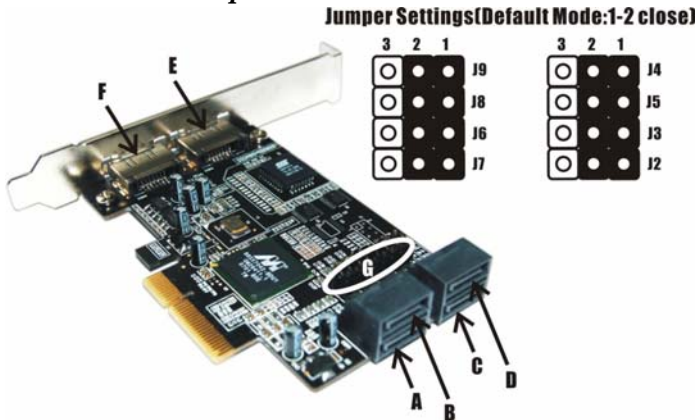
Bus Interface

- 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 7, Vista, XP, 2000

Hardware Description

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**

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 A New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the "DS-30104\2K_XP_2003_Vista" 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 **Marvell Serial ATA Adapter** , 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 "DS-30104\2K_XP_2003_Vista" 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 **Marvell Serial ATA Adapter**, 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

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the "DS-30104\XP_2003_Vista x64" 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 **Marvell Serial ATA Adapter**, 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**, 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

For New Installation

A new installation requires a floppy disk for the driver installation. To make this floppy disk, copy the contents of the "DS-30104\2K_XP_2003_Vista" 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 **Marvell Serial ATA Gen 2 PCI Express Adapter (A:\mvsata.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 "DS-30104\XP_2003_Vista x64" 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 **Marvell Serial ATA Gen 2 PCI Express Adapter (A:\mvsata.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 (Storage controller – 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.