

# **PCIe SATA 6G + PATA Card**

## **User Manual**

**Ver. 1.00**

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## ***Features and Benefits***

- Compliant with PCI-Express Specification v2.0 and backward compatible with PCI-Express 1.x
- Compliant with Serial ATA Specification 3.0
- Supports communication speeds of 6.0Gbps, 3.0Gbps, and 1.5Gbps
- Hot plug and Hot Swap
- Supports Native Command Queuing (NCQ)
- Supports Port Multiplier FIS based switching or command based switching
- Compatible with SATA 6G, 3G and 1.5G Hard Drives
- Supports Windows® XP/Server 2003/Vista/7 (32/64 bit)

## ***Bus Interface***

- PCI-Express x1

## ***Connectors***

- 2 x SATA connectors
- 2 x eSATA connectors
- 1 x PATA connector

## ***System Requirements***

- PCI Express-enabled system with one available PCI Express slot
- Windows® XP/Server 2003/Vista/7 (32/64 bit)

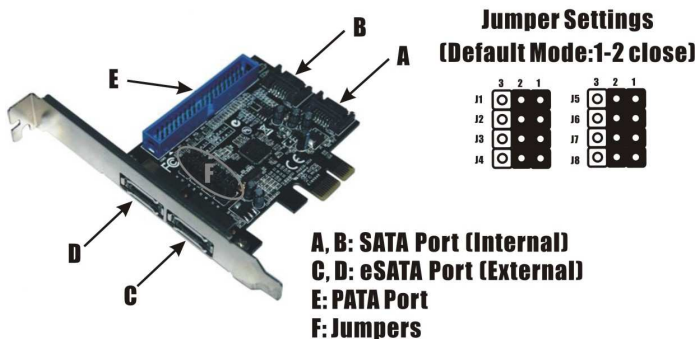
## ***Package Contents***

- 1 x PCIe SATA 6G + PATA Card
- 1 x Driver CD
- 1 x User Manual

Note: Contents may vary depending on country/market.

## ***Hardware Description***

**Note:** There are four SATA ports in PCIe SATA 6G + PATA Raid Card. We name these ports character A through D. Ports A & B are internal SATA ports and C & D are external eSATA ports. By changing the jumper setting on PCIe SATA 6G + PATA RAID Card that allows you to select between external and internal ports to use. By default, port A and B are working.



## *Jumper Settings*

JP	Description	Active Port
J1-J4	1-2 close	Enable SATA Port B
	2-3 close	Enable eSATA Port D
J5-J8	1-2 close	Enable SATA Port A
	2-3 close	Enable eSATA Port C

## *Hardware Installation*

1. Turn off the power to your computer.
2. Unplug the power cord and remove your computer's cover.

3. Remove the slot bracket from an available PCIe slot.
4. To install the board, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.
5. Attach your internal devices to the PCIe SATA 6G + PATA Card.
6. Replace the slot bracket's holding screw to secure the card.
7. Replace the computer cover and reconnect the power cord.

## ***Driver Installation***

### ***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 "PCIe\mv91xx\Floppy32" folder, found on the driver CD, onto a blank floppy disk then follow the directions below.*

1. Follow Microsoft's Windows installation procedure.
2. At the Windows Setup screen, press **F6** to install the driver.
3. When prompted, press **S** to specify the location of the driver.
4. Insert the floppy disk, then press **Enter**.
5. Scroll to **Marvell shared library (install first)** using the arrow

keys and press **Enter** to select.

6. Press **S** again to select the second device.
7. Scroll to **Marvell 91xx SATA Controller 32bit Driver** and press **Enter** to select.
8. Press **Enter** to complete the installation of drivers.
9. Continue with the Windows OS installation.

### **For An Existing Installation**

1. Please insert the CD driver bound with PCIe SATA 6G + PATA Card into your CD-ROM Drive.
2. At the Windows desktop, click **Start**, then **Run**.
3. Type **D:\PCIe\mv91xx\Setup.exe**, click **OK**. (Change **D:\** to match your CD-ROM drive letter)
4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

### ***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 “PCIe\mv91xx\Floppy64” folder, found on the driver CD, onto a blank floppy disk then follow the directions below.*

1. Follow Microsoft’s Windows installation procedure.
2. At the Windows Setup screen, press **F6** to install the driver.
3. When prompted, press **S** to specify the location of the driver.
4. Insert the floppy disk, then press **Enter**.
5. Scroll to **Marvell shared library (install first)** using the arrow keys and press **Enter** to select.
6. Press **S** again to select the second device.
7. Scroll to **Marvell 91xx SATA Controller 64bit Driver** and press **Enter** to select.
8. Press **Enter** to complete the installation of drivers.
9. Continue with Windows OS installation.

### **For An Existing Installation**

1. Please insert the CD driver bound with PCIe SATA 6G + PATA Card into your CD-ROM Drive.
2. At the Windows desktop, click **Start**, then **Run**.
3. Type **D:\PCIe\mv91xx\Setup.exe**, click **OK**. (Change **D:\** to match your CD-ROM drive letter)

4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

## ***For Windows® Vista/7***

### **For A 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 CD driver bound with PCIe SATA 6G + PATA Card into your CD-ROM Drive, please select **Marvell 91xx SATA 6G Controller (D:\PCIe\mv91xx\Floppy32\mv91xx.inf)**, then press **Next**. (Change **D:\** to match your CD-ROM drive letter)
4. Continue with Windows OS installation.

### **For An Existing Installation**

1. Please insert the CD driver bound with PCIe SATA 6G + PATA Card into your CD-ROM Drive.
2. At the Windows desktop, click **Start**, then **Run**.
3. Type **D:\PCIe\mv91xx\Setup.exe**, click **OK**. (Change **D:\** to match your CD-ROM drive letter)

4. Follow the on-screen instructions to complete the installation.
5. Restart Windows to complete the installation.

## ***For Windows® Vista-x64/7-x64***

### **For A New Installation**

1. Follow Microsoft's Windows installation procedure.
2. At the Windows Setup screen, press **Load Driver** to install the RAID driver.
3. Insert the CD driver bound with PCIe SATA 6G + PATA Card into your CD-ROM Drive, please select **Marvell 91xx SATA 6G Controller (D:\PCIe\mv91xx\Floppy64\mv91xx.inf)**, then press **Next**. (Change **D:\** to match your CD-ROM drive letter)
4. Continue with Windows OS installation.

### **For An Existing Installation**

1. Please insert the CD driver bound with PCIe SATA 6G + PATA Card into your CD-ROM Drive.
2. At the Windows desktop, click **Start**, then **Run**.
3. Type **D:\PCIe\mv91xx\Setup.exe**, click **OK**. (Change **D:\** to match your CD-ROM drive letter)

4. Follow the on-screen instructions to complete the installation.
5. Restart Windows 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® XP/2003:** Double click **SCSI and RAID Controller:**

-**Marvell 91xx SATA 6G Controller** should be displayed

**Windows® Vista/7:** Double click **Storage controllers:**

- **Marvell 91xx SATA 6G Controller** should be displayed