User Manual

INTRODUCTION

The PCI-Express SATA host controller card expands your PC by eight SATA ports. You can connect devices like e.g. hard drives, DVD-drives etc. to the card.

The orientation and position of SATA ports are well designed so that the cable wiring fits easily in computer chas-sis and four of those ports can be configured manually for either external or internal use.

FEATURES & SPECIFICATION

General

- Based on Marvell PCI-Express 2.0 SATA 6Gbps controller
- 1-Lane PCI-Express 2.0 interface supports communication bandwidth up to 5.0Gbps
- Compliant with PCI-Express 2.0 Base Specification
- Unique Hard Drive Activity LED indicator circuit design: The LED blinks when there is read/write activity on any one of the hard drive connected to the motherboard or to this add-on card (Optional)
- Supports Windows 10/8.1/8/7,Vista,XP,Server 2003/2008 32-/64-bit,Server 2008 R2, Linux and MAC OS
- Supports both standard and low-profile computer chassis

Serial-ATA (SATA) Interface

- Changeable SATA 6.0Gbps ports (internal, external or their combination)
- Up to 8 SATA devices with point-to-point connectivity
- Compliant with Serial-ATA Specification 3.0
- Supports communication speed of 6.0Gbps, 3.0Gbps, and 1.5Gbps
- Bootable
- Supports Native Command Queuing (NCQ)

PACKAGE CONTENTS

- PCI-Express SATA host controller card x 1
- Driver CD x 1
- User's manual x 1
- Optional LED cable x 1

BEFORE INSTALLATION

- The user must have basic knowledge of installing an add-on card and its driver to a desktop PC. If you have any queries, please call your local dealer, or find somebody who is experienced in computer hardware instal-lation.
- Motherboard with a free PCI-Express 2.0 slot (x1/ x4/ x8/ x16) and a supported operating system installed.

> **WARNING**
>
> Before installing and activating the controller card, please make sure you have a complete backup of your existing data from hard drives. Manufacturer is not responsible for data loss due to abuse, misuse, or neglect. Should you have any installation problem, please contact your dealer for assistance.

HARDWARE INSTALLATION

1. Turn off your computer and all external devices connected to it.
2. Disconnect your computer from the power sources.
3. Open the computer case. Refer to your computer user manual for more details.
4. Find an available PCI-Express 2.0 slot and remove the slot bracket. Save the bracket screw for later use.
5. Align the controller card horizontally with respect to the slot and insert it into the slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the controller card into the slot, fasten it to the computer case with the screw you have just saved.
6. Mount the hard disk(s) on the computer case.
7. Connect the power cable to the hard disk(s).
8. Connect the SATA hard disk(s) to the controller card with the SATA cable(s).
9. Connect the computer case's front panel Hard Disk LED cable to pin header **JP19** (See **Figure 1**).
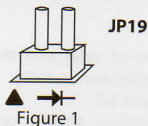

Figure 1

10. Connect the one end of the LED cable (optional) to pin header JP20, and the other end to your mother-board's HDD LED connector.
11. Secure the computer case and switch on your computer

Port Configuration (Optional features)

There are some specific models in which you can change the external / internal port on the card freely by chang-ing the jumper header. Please refer to below table for jumper setting.

Jumpers SATA Port	JP1	JP2	JP3	JP4	JP5	JP6	JP7	JP8
CN1 Lower SATA	2-3	2-3	2-3	2-3				
CN5	1-2	1-2	1-2	1-2				
CN1 Upper SA-TA					2-3	2-3	2-3	2-3
CN7					1-2	1-2	1-2	1-2

Jumpers SATA Port	JP9	JP10	JP11	JP12	JP13	JP14	JP15	JP16
CN2 Lower SA-TA	2-3	2-3	2-3	2-3				
CN6	1-2	1-2	1-2	1-2				
CN2 Upper SA-TA					2-3	2-3	2-3	2-3
CN8					1-2	1-2	1-2	1-2

Note:
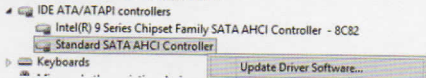All other combinations of jumper setting are invalid

DRIVER INSTALLATION

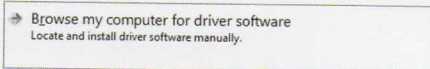**Installing Driver for supported operating system: For Windows XP and Server 2003:**
1. start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
2. Windows will automatically detect the SATA card. Select "**No, not this time**"and click the **Next** button to con-tinue.
3. Select "**Install from a list or specific location (Advanced)**"and click on the **Next** button.
4. Browse to the following folder on the driver CD according to your operating system:
   • **Windows XP 32-bit and Server 2003 32-bit:**
   D:\Marvell\88SE9215\Windows\i386
   • **Windows XP 64-bit and Server 2003 64-bit:**
   D:\Marvell\88SE9215\Windows\amd64
5. Follow the on-screen instructions to install the driver.
6. After successful installation, the SATA controller is listed in the **Device Manageras Marvell 92xx SATA 6G Controller** (under**Storage controllers**).

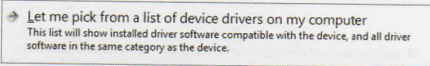**For Windows Vista, Server 2008, and Windows 10/8.1/8/7 operating system:**
1. Start Windows and insert the driver CD into the CD-ROM drive, assume drive D
2. Open **Device Manager** window, inside **IDE ATA/ATAPI Controllers** item, select and right click mouse **Standard SATA AHCI Controller**

3. Select **Update Driver Software**, and click **Browse my computer for driver software** inside the new window.

4. Click mouse **Let me pick from a list of device drivers on my computer**.

5. Click **Have Disk**…,and in the pop-up window click the **Browse…(B)**, Browse to the following folder on the driver CD according to your operating system:
   - **Windows Vista, Server 2008, and Windows 10/8.1/8/7 32-bit:**
   D:\Marvell\88SE9215\Windows\i386
   - **Windows Vista, Server 2008, and Windows 10/8.1/8/7 64-bit:**
   D:\Marvell\88SE9215\Windows\amd64
6. Choose the directory, returned to the "Install From Disk" window, click the **OK** button.
7. Click the "**next**" button and the installation process will pop up "Windows security" window, check the "**Always trust software from 'Marvell Semiconductor'**", then click "**Install**"
8. Finally complete the driver installation, click the "**close**"
9. After successful installation, the SATA controller is listed in the **Device Manager** as **Marvell 92xx SATA 6G Controller** (under **Storage controllers**).

Updating Drivers and Manual

The latest drivers, full version manual and last-minute changes document are available on the website below:

http://www.drivers-download.com

Search for the following Download Code from "**Drivers Search**":

Chipset	Description	Download Code
Marvell 88SE9215	PCI-Express SATA 6Gbps host controller card	DL-0141501