

INTRODUCTION

The PCI-Express SATA host controller card expands your PC by four 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 chassis and two 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 8.1/8/7, Vista, XP, Server 2003/2008 32-/64-bit, Server 2008 R2, Linux and MAC OS

Serial-ATA (SATA) Interface

- Changeable SATA 6.0Gbps ports (internal, external or their combination)
- Up to 4 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)
- FIS based Port Multiplier
- Supports SATA port Hot-Plug
- Supports both Standard and Low profile

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 installation.
- 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 PCI-Express 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 JP9 (See Figure 1).

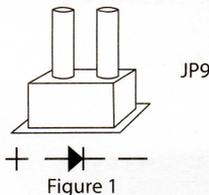


Figure 1

10. Connect the one end of the LED cable (optional) to pin header JP10, and the other end to your motherboard'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 changing the jumper header. Please refer to below table for jumper setting.

Jumpers	JP1	JP2	JP3	JP4	JP5	JP6	JP7	JP8
SATA ports								
CN3 Lower SATA					1-2	1-2	1-2	1-2
CN1					2-3	2-3	2-3	2-3
CN3 Upper SATA	1-2	1-2	1-2	1-2				
CN2	2-3	2-3	2-3	2-3				

Note:

All other combinations of jumper setting are invalid

DRIVER INSTALLATION

Installing Driver for supported operating system:

1. For Windows Vista, Server 2008, and Windows 8.1/8/7 operating system, no need to install driver.
2. For Windows XP and Server 2003, start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
3. Windows will automatically detect the SATA card. Select "No, not this time" and click the Next button to continue.
4. Select "Install from a list or specific location (Advanced)" and click on the Next button.
5. Check the box of "Include this location in the search:", and 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\miniport\i386

- Windows XP 64-bit and Server 2003 64-bit:

D:\Marvell\88SE9215\Windows\miniport\amd64

6. Follow the on-screen instructions to install the driver.
7. After successful installation, the SATA controller is listed in the Device Manager as Marvell 92xx SATA 6G Controller (under SCSI and RAID controllers).