

## INTRODUCTION

The Mini PCI-Express SATA controller card enables Serial ATA PHY up to 6.0Gbps high speed interface utilizing a native Mini PCI-Express 2.0 interface. The card supports SATA 6Gbps devices compliant with Serial-ATA Revision 3.0 specification. It is also backward compatible with SATA 1.5Gbps and 3.0Gbps devices.

The LED indicator header on the card is specially designed so that the front panel LED indicator can show Read/Write activities of any hard disk drives connected to the card.

## FEATURES & SPECIFICATION

### General

- Based on ASMedia ASM1061 PCI-Express 2.0 SATA 6Gbps controller
- 1-Lane Mini PCI-Express 2.0 interface supports communication speed of 2.5Gbps and 5.0Gbps
- Compliant with PCI-Express 2.0 Base Specification
- Hard Drive Activity LED indicator: The LED blinks when there is read/write activity on any one of the hard drive connected to this card
- Supports Windows 7/Vista/XP/Server 2003-2008 32/64-bit

### Serial-ATA (SATA) Interface

- SATA 6.0Gbps ports
- Compliant with Serial-ATA Specification 3.0
- Supports communication speed of 6.0Gbps, 3.0Gbps, and 1.5Gbps
- Compatible with SATA-III (6Gbps), SATA-II (3Gbps), SATA-I (1.5Gbps) hard drives and SSD's
- Supports Gen1m and Gen2m SATA PHY
- Supports Native Command Queue (NCQ)
- Supports SATA Port Multiplier
- Supports IDE/AHCI mode

## PACKAGE CONTENTS

- Mini PCI-Express SATA controller card x 1
- Driver CD x 1
- User's manual x 1

## BEFORE INSTALLATION

- The user must have basic knowledge of installing a mini PCI-Express card and its driver to a PC system. If you have any queries, please call your local dealer, or find somebody who is experienced in computer hardware installation.
- Motherboard with a free mini PCI-Express 2.0 slot and a supported operating system installed.

### WARNING

Before installing and activating this controller card, please make sure you have a complete backup of your existing data from your 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 mini PCI-Express 2.0 slot and remove the screw. Save the screw for later use.
5. Insert the controller card to the mini PCI-Express slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the controller card into the slot, secure it 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. Secure the computer case and switch on your computer.

## DRIVER INSTALLATION

Installing Driver for supported Windows operating system:

1. Start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
2. Windows will automatically detect the card. Ignore the driver installation wizard.
3. Browse to the following folder on the driver CD:  
**D:\ASMedia\ASM106x\Windows\**
4. Run **Setup.exe** to start driver installation.
5. Follow the on-screen instructions to install the driver.

## 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 |
|-----------------|---|---------------|
| ASMedia ASM106x | PCI-Express to SATA 6Gbps controller card | DL-0420001    |

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