**Manuals+** — User Manuals Simplified.



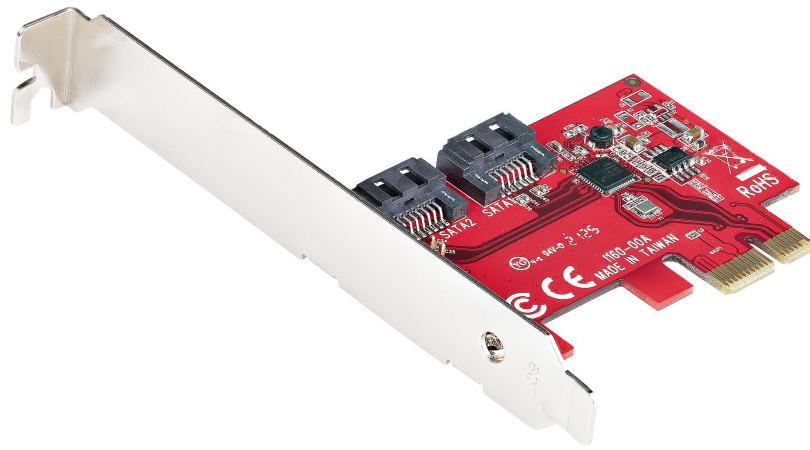# StarTech PCI-Express 2.0 SATA 6Gbps Controller Card User Manual

**Contents**

**StarTech PCI-Express 2.0 SATA 6Gbps Controller Card**

## INTRODUCTION

- The PCI-Express SATA controller card enables Serial ATA PHY up to 6.0Gbps high speed interface utilizing a native 1-Lane 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 headers on the card are specially designed so that the front panel LED indicator can show Read/Write activities of any hard disk drives connected to the card or to the motherboard.
- The orientation and position of SATA ports are well designed so that the cable wiring fits easily in computer chassis and those ports can be configured manually for internal / external HDD in some specific models.

## FEATURES & SPECIFICATION

### General

- Based on ASMedia ASM1061 PCI-Express 2.0 SATA 6Gbps controller
- 1-Lane PCI-Express 2.0 interface supports communication speed of 2.5Gbps and 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
- Supports Windows 7/Vista/XP/Server 2003-2008 32/64-bit

### Serial-ATA (SATA) Interface

- SATA 6.0Gbps ports (internally, externally or their combination)
- 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 SATA port Hot-Plug
- Supports IDE/AHCI mode

## PACKAGE CONTENTS

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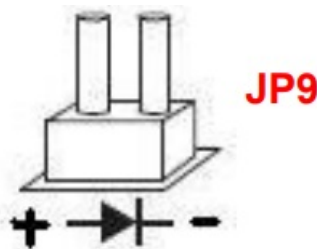- User's manual x 1
- LED cable x 1

## 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 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 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.



- Connect the one end of the LED cable (included) to pin header JP10, and the other end to your motherboard's HDD LED connector
- Secure the computer case and switch on your computer.

## Port Configuration (Optional features)

There are some specific models in which you can change the SATA port on the card freely by changing the jumper header. Please refer to below table for jumper setting.

| Jumper SATA Port | JP1 | JP2 | JP3 | JP4 | JP5 | JP6 | JP7 | JP8 |
|---|---|---|---|---|---|---|---|---|
| CON1 | 2-3 | 2-3 | 2-3 | 2-3 | No Connection | | | |
| CON2 | No Connection | | | | 2-3 | 2-3 | 2-3 | 2-3 |
| CON3 | 1-2 | 1-2 | 1-2 | 1-2 | No Connection | | | |
| CON4 | No Connection | | | | 1-2 | 1-2 | 1-2 | 1-2 |

## 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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## Documents / Resources

| | |
|---|---|
| **PCI-Express 2.0 SATA 6Gbps Controller Card**<br><br>USER'S MANUAL | **StarTech PCI-Express 2.0 SATA 6Gbps Controller Card** [pdf] User Manual<br>PCI-Express 2.0 SATA 6Gbps Controller Card, PCI-Express, 2.0 SATA 6Gbps Controller Card, 6Gbps Controller Card, 6Gbps Card, Controller Card, Controller, Card |

## References

- ⊕ **LAW VIEW PARTNERS**

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