U s e r   M a n u a l

Introduction

This PCI Express SATA raid controller card is a high performance, server class storage interface device, which provides a multi-port SATA connectivity to minimize the host overhead and the host to device latency.

Features

- Compliant with Serial ATA AHCI (Advanced Host Controller Interface) Specification Rev 1.0
- Compliant with PCI Express Base Spec. Revision 1.0a
- Compliant with Serial ATA High Speed Serialized AT Attachment Spec. Revision 1.0a
- 1-Lane (x1) PCI Express bus with transfer rate 2.5Gbps full duplex channel
- Supports Windows 2000, XP 32/64bit, Server 2003 32/64bit, and Vista 32/64bit operating system
- Supports RAID 0, 1, 0+1, JBOD (for RAID version only)

Before the installation of the controller card, let us make the following assumptions:
1. The end users must have the basic knowledge of installing an internal device and its driver to a PC. If they are not sure about their abilities or have any queries, please call their local dealers immediately, or find somebody who are experienced and qualified for assistance.

2. The computer has been properly installed with our supported Windows operating system

> **WARNING**
>
> Before installing and activating RAID function, 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.

Installing the controller card into the computer

1. Turn off your computer and all external devices connect 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 x1 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 hard disk(s) to the controller card with the SATA cable

9. Secure the computer case and switch on your computer.

Setup a RAID set with two or more hard disks installed

Caution: all data in the hard disks will be lost in the following procedures
1. Turn on the computer.

2. When the BIOS on the controller card is active, press *Ctrl-J* to enter into BIOS menu.

3. Choose "**Create RAID Disk Drive**" in the Main Menu.

4. Choose following RAID setting depending on your application.

RAID 0	-Data striped for performance
RAID 1	-Data mirrored for redundancy
RAID 0+1	-Combine RAID 0 and RAID 1
JBOD	-Data concatenated for huge temporarily disk required

Installing Windows driver for the controller card

1. Turn on the computer

2. Once Windows is running, a new controller is detected.

3. When the Windows ask for its device driver, insert the Drivers & Utility CD into the CDROM (assuming drive D) and browse to the following path for the driver install program:

   D:\JMicron\JMB36x\Windows\setup.exe

4. If the hard disks installed are blank, do not forget to set partition and format them before use