

Features

- Compatible with PCIe 2.0 specifications
- Compliant with Serial ATA Specification 3.1
- Supports communication speeds of 6.0 Gbps, 3.0 Gbps, and 1.5 Gbps.
- Supports Hot plug and Hot Swap.
- Supports Native Command Queue (NCQ)
- Supports AHCI 1.0 programming interface registers for the SATA controller
- Supports aggressive power management
- Supports error reporting, recovery and correction.

Note: Not Supported RAID on PM

System Requirement

Computer system with one PCI-Express x4 slot or larger

Supports Windows XP/Vista/7/8/8.1/10 Server 2003/2008 R2, 2016, Linux 2.6.x and above

Package Content

1 x PCI-Express to 8 Ports SATA with SFF8087 Card

1 x User manual

1 x Software Driver CD

2 x Mini SAS to SATA Cable

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 x4 or larger slot and remove the screw. Save the screw for later use.
5. Insert the controller card to the 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 disks in the computer case.
7. Connect the power cable to the hard disks.
8. Connect the SATA hard disks to the controller card with SATA cable.

Driver Installation

Installing Driver for supported Windows Vista, Server 2008, Windows 7, 8, Server 2008 R2 operating system.

1. Start windows and insert the driver CD into the CD-ROM drive, assume drive D
2. Windows will automatically detect the SATA card. Right-click Marvell Console ATA Device with yellow mark in the Other Devices and select Update Driver Software.
3. Select “Browse my computer for driver software”.
4. Browse to the following folder on the driver CD according to your operating sytem:
 - >Windows Vista, server2008, Windows 7, 8, 32-bit:
D:\Marvell\92xx\Windows Vista_2008_7_8\i386
 - >Windows Vista, server2008, Windows 7, 8, 64-bit and server 2008 R2:
D:\Marvell\92xx\Windows Vista_2008_7_8\amd64
5. Follow the on-screen instruction to install the driver.
6. After successful installation. The device is listed in the Device Manage as Marvell Unity.

Configuration (Under System devices)

Installing driver for the supported Windows XP, Server 2003 operating system:

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 continue.
3. Select “Install from a list or specific location (Advance) and click on the Next button.
4. Browse to the following folder on the driver CD according to your operating sytem:
 - >Windows XP 32-bit and Server 2003 32-bit:
D:\Marvell\92xx\Windows 2003_XP\i386
 - >Windows XP 32-bit and Server 2003 64-bit:
D:\Marvell\92xx\Windows 2003_XP\amd64
5. Follow the on-screen instruction to install the driver.
6. After successful installation. The SATA controller is listed in the Device Manager as Marvell 92xx SATA 6G Controller (under SCSI and RAID controllers).
7. For this controller an additional device Marvell Console SCSI Processor Device is detected, Select “No, not this time” and click the Next button to continue.
8. Select “Install from a list or specific location (Advance) and click on the Next button.
9. Browse to the following folder on the driver CD according to your operating sytem:
 - >Windows XP 32-bit and Server 2003 32-bit:
D:\Marvell\92xx\Windows 2003_XP\i386
 - >Windows XP 32-bit and Server 2003 64-bit:
D:\Marvell\92xx\Windows 2003_XP\amd64

10. Follow the on-screen instruction to install the driver.

11. After successful installation, the device is listed in the Device Manager as Marvell Unity

Configuration (under System devices).

12. Once driver installation is completed, you can now connect your external devices to the SATA card.

For Linux OS

Linus distributions contain built in drivers for AHCI Devices. The drivers are installed automatically during the Linus OS installation