PCI-Express SATA III (6Gb/s) RAID Controller Card

2x Internal SATA III 6Gb/s Ports (SATA version)

2x External eSATA III 6Gb/s Ports (eSATA version)

User Manual
Ver. 1.00

General Description

This is PCI Express Gen2 x1 to two ports of Serial ATA 6Gbps, integrates ASMedia Hydratek hardware RAID engine, enables Serial ATA PHY up to 6Gbps high speed interface, supports SRIS(Separate Refclk Independent SSC) function, complies with Serial ATA Revision 3.2 Specification.

Features

- Industry Specifications Compliance:
  PCI Express Base Specification Rev. 2.0
  PCI Express Card Electromechanical Rev. 2.0
  Serial ATA AHCI Spec. Rev.1.3
  Serial ATA Revision 3.2
  Serial ATA Features
- Supports 2 ports Serial ATA PHY
- 1.5Gbps, 3.0Gbps and 6.0Gbps speed negotiation
- SATA PHY 1i/1m/2i/2m/3i
- Supports AHCI and IDE programming interface
- Supports Native Command Queue (NCQ)
- Supports Port Multiplier command based switching
- Embedded hardware RAID engine
- Supports RAID0, RAID1, SPAN
- RAID mode changeable, controlled via the setting by two GPIOs or GUI utility
- RAID0 high performance for the data transmission
- Supports S.M.A.R.T feature
- Supports automatic rebuild
- Supports high performance off-line rebuild
- Supports background rebuild

Package Contents

- 1 x User Manual
- 1 x SATA III (6Gbps) 2-port PCI-Express Controller RAID Card
- 1 x SATA Cable

PS: eSATA Card Without SATA Cable

System Requirements

- Windows® 8.1,7 (32 / 64 bit) / Vista / Server 2012 / 2008, Linux

Hardware Installation

1. Turn off the power to your computer
2. Unplug the power cord and remove your computer's cover
3. Remove the slot bracket from an available PCI-E slot
4. To install the board, carefully align the card's bus connector with the selected PCI-E slot on the motherboard. Push the board down firmly
5. Attach your internal devices to the SATA III (6Gbps) 2-port PCI-E Controller Card
6. Replace the slot bracket's holding screw to secure the card
7. Replace the computer cover and reconnect the power cord

Create Raid

1. Turn on your computer, follow the prompt, and press Ctrl + R for the RAID setup screen
2. Press Enter.
3. Use keyboard arrow keys select "Create RAID model",and press Enter
4. All Data will be lost, sure to process? (Y/N)
5. Mode Change is completed
6. Press ESC and Y to save and exit BIOS Setup.

Delete a RAID Array

1. Turn on your computer, follow the prompt, and press Ctrl + R for the RAID setup screen
2. Press Enter.
3. Use keyboard arrow keys select "Remove RAID ",and press Enter
4. All Data will be deleted, are you sure? (Y/N)
5. Mode Change is completed
6. Press ESC "Leave Configure controller? (Y/N)", select Y
7. Press ESC "Leave RAID Manager? (Y/N)", select Y

Nots: The drives that this product need is included in Microsoft systerms