Addonics Technologies, Inc.
ADSA4R-E *(4-Port External SATA PCI Controller Card)*

SPECIFICATIONS

Chip Set: Silicon Image Sil3114 integrated host
         Controller
Interface: PCI bus compatible
I/O Ports: (4) eSATA Connectors
Regulatory approvals: FCC, CE
Features:

- Up to 150 Mbytes/sec (1.5 Gbits/sec) per port
- 4 External SATA (eSATA) ports with the *new SATA External connector*
- Work with any SATA drive
- Use as a non-RAID or RAID controller
- Built-in RAID 0, RAID 1, RAID 1+0, RAID 1+ S support
- Support large hard drives of 137 GB or greater
- Upgradeable firmware
- Hot-plug capability
- Fits standard height Desktop case

System Requirements:

- Computer with one available PCI slot
- Windows DOS/NT/2000/XP/2003 server

RAID 0/1 described
Stripe (RAID 0): Greatly increases the performance of data transfer by simultaneously writing data to 2 drives.
Mirror (RAID 1): duplicates or mirrors the data on both drives. No data will be lost if one of the drives fails.
Mirror-Striping (RAID 0+1) Combined both Striping and Mirroring technologies to provide both the performance enhancements that come from Striping and the data availability and integrity that come from Mirroring.
RAID 1+S (Mirrored-Sparing) Can automatically replace the failed drive and rebuild the system when booting HDD failed.

INSTALLATIONS

Hardware Installations:

1. Power OFF PC and remove its cover.
2. Select an empty PCI slot and insert the SATA Controller.
3. Makes sure to secure the bracket with a screw.
4. Close the PC's cover.
5. Turn PC ON.

Software Installation:

Windows NT4.0, 2000, XP, 2003 Driver Installations

1. Turn computer ON. When Windows boots up, "A New Hardware Found" pops on the screen and the Addonics Serial ATA PCI Host Controller is identified.
2. At the "Add New Hardware Wizard Window, click "Next"
3. Choose "Select for the best driver for your devices", and click "Next"
4. Insert the Drivers Diskette and check the "Floppy Drive" option. Click "Next"
5. If using a driver that has not been digitally signed by Microsoft, you will be asked if you want to continue the installation. Click Continue.
6. When the new hardware wizard has finish installing the Serial ATA card. Click "Finish" to complete the installations.

Confirming Serial ATA Driver Installation

1. Right click the My Computer icon and select properties.
2. Click Device Manager in the Menu Tree.
3. Click the "+" sign in front of SCSI controllers. Silicon Image SATA controller should appear.

Important Note:

- To do a RAID SET, you can press F4 or CTRL+S from the boot up screen. Read and follow the instruction inside the BIOS screen.
- You can also install the SATA GUI utility Under Windows to monitor the RAID Set. It is under the Utility section of the driver disc.
- Use the controller BIOS setup for creating RAID SET.

SUPPORT

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Note: Specifications subject to change without notice.

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