

ADDONICS TECHNOLOGIES
ADSA4R5-E (4-Port External SATA I PCI RAID5 Controller Card)

SPECIFICATIONS

Chip Set: Silicon Image SiI3114 Integrated Host Controller

Interface: PCI bus compatible

I/O Ports: (4) eSATA Connectors

Regulatory approvals: FCC, CE

Features:

- SATA 1.0 compliant
- Support data transfer of 1.5Gbits/sec (150MB/sec)
- Fits standard Desktop case and low profile systems
- PCI compatible
- 4 eSATA ports
- Work with any Serial ATA drive
- Support large hard drives of 137 GB or greater
- RAID5/JBOD controller configuration possibilities



System Requirements:

- PC/AT or Compatible System
- One free PCI slot
- Pentium or greater
- Minimum 32 MB RAM
- 10 MB minimum free hard disk space
- One of the following operating systems: DOS, Windows 95, NT, 98SE, Me, 2000 and XP

RAID 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 1+0) 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.

Mirror-Sparing (RAID 1+S) Can automatically replace the failed drive and rebuild the system when booting HDD failed.

Parity (RAID 5) Adds fault tolerant to disk striping by including parity information with the data.

Software Installation:

Note: Install the SATA Utilities from the CD that came with your package first before installing the Host Controller.

- A. From the CD start-up menu select SATA Utilities. Select Model #ADSA4R5-E.
- B. Unzip the file on your drive. Folder name is SiI3114 SATA RAID 5 Manager.
- C. In the folder choose your OS and unzip that file.
- D. Install the MSI application with card inserted and no drives attached. It will install the drivers and application.

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.

Windows 2000, XP, 2003 server 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. 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.
5. 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 and RAID controllers. Silicon Image SiI 3114 SoftRaid 5 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.

TECHNICAL SUPPORT

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INSTALLATIONS
