

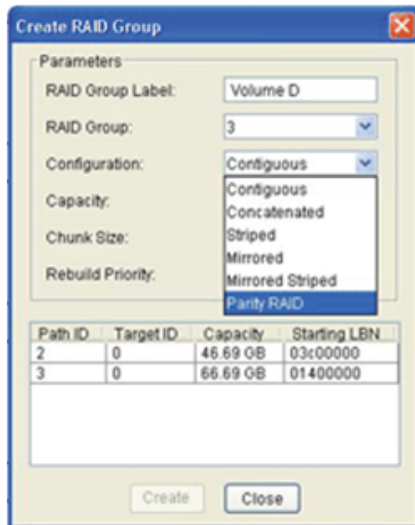
## INTRODUCTION

The Addonics 4-port SATA RAID 5 / JBOD PCI controller makes adding the newest RAID features to any computer easy and affordable. It supports up to 4 Serial ATA hard drives and can be configured as RAID 1, RAID 0, RAID 1+0, RAID 1 + S, RAID5, JBOD or 4 individual drives. Together with the Addonics optional Disk Array 5SA or 3SA system, high performance and reliable data storage system can be added to any computers at less than half of the cost of traditional SCSI or IDE solution.



## FEATURES

- 4 Internal Serial ATA ports
- High data throughput, up to 150 Mbytes/sec (1.5Gbits/sec)
- Work with any Serial ATA drive
- RAID5/JBOD controller configuration possibilities



- RAID 0, RAID1, RAID 1+0, RAID 1+ S, RAID5
  - JBOD - combines individual drive into one large volume to show as one drive letter
- Use as a non-RAID controller for 4 individual drives or as RAID controller
- Support large hard drives of 137 GB or greater
- Silicon Image chip set Sil 3114
- Upgradable firmware
- Fits standard Desktop case and low profile systems
- Hot swap - device can be removed and added without system shut down or restart
- Simple plug and play
- Compatible with Windows NT, 98SE, Me, 2000, XP, Vista, Windows 7, Windows 8, Server 2000, 2003, 2008
- List of Linux Distributions compatible with Addonics SATA Host Controllers

## SPECIFICATIONS

- 4 Serial ATA interface ports
- Fully compliant with Serial ATA 1.0 specification
- Independent 256-byte FIFOs (32 bit\*64 deep) per Serial ATA channel for host reads and writes
- Compliant with 32-bit, 33/66 MHz PCI 2.2 host interface
- Integrated PCI DMA engines
- Build-in RAID 0, RAID 1, RAID 1+0, RAID 1+S, RAID 5, JBOD support
- RAID 0+1 (Mirrored-Striping) combine both Striping and Mirroring technologies to provide both the performance enhancements that come from Striping and the data availability and integrity that comes from Mirroring
- RAID 1+S (Mirrored-sparing) can automatically replace the failed drive and rebuild the system when booting HDD is failed
- Supports ATAPI commands
- Upgradable firmware
- Supports Spread Spectrum in receiver
- Compliant with PCI Specification, revision 2.2
- Temperature: Operating 0 to 70 degree C.
- Storage: -25 to 90 degree C.
- Humidity: Operating 20% to 80%
- Non Operating 15% to 90%
- Compatible with Windows NT, 98SE, Me, 2000, XP, Vista
- Dimension (W x D x H) - 125 mm x 19 mm x 63 mm.
- 1 year warranty

### System Requirement

- 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: Windows NT 4.0, 98SE, Me, 2000, XP, Vista