



## **TR-822**

SATA RAID 2 Ports Low Profile PCI Host Adapter Low Profile PCI 1.5Gbps Native SATA internal 2Ports with RAID 0, RAID 1 support!

## **FEATURES**

- Independent internal two ports high speed Native Serial ATA
- Serial ATA data rates 1.5Gbps
- o 48 bits LBA can Break Capacity-Limit to Support HDD larger than 137GB
- o Fully compliant with Serial ATA 1.0a specifications
- Supports Spread Spectrum in receiver
- o Independent 256-byte FIFOs (32 bit \* 64 deep) per Serial ATA channel for host reads and writes
- Compliant with PCI Specification, revision 2.3 Integrated PCI DMA engines
- o 32 bit, 66MHz fully compliant PCI host interface
- Low Profile PCI form factor
- o Includes Low profile PCI and Regular size PCI two Brackets
- o Two LED Pin headers on board for HDD LED connection
- Jumper to enable / disable on board SATA BIOS
- o Provides RAID 0 (Stripping) to greatly increase the performance of data transfer by simultaneously reading data from 2 drives
- Provides RAID 1 (Mirroring) to protect the data from a disk failure by writing identical data on 2 drives
- Acts as NON-RAID card when BIOS not configured to RAID mode
- o Completely with drivers for 64bit / 32bit Windows 7, Vista, 2000, 2003 server, XP
- Linux 32bit / 64bit drivers support for Fedora Core3, Fedora Core4, RHEL 4.0, RHEL 4.0 Up1, SuSE 9.0 SP1
  RC5, SuSE Pro 9.2, SuSE Pro 9.3.
- Fully RoHS compliant Chipset: Sil3512

## **SPECIFICATION**

- o Bus Architecture: Low Profile 32bit PCI Bus (MD1)
- o Dimension: 120mm x 64mm
- o PCB: 4 Layers / FR-4 94V0 / 0.5 oz / 1.6mm
- o SATA Ports: 2 Serial ATA Ports
- o Temperature: Operating +5  $^{\circ}$ C to +50  $^{\circ}$ C Non Operating -25  $^{\circ}$ C to +70  $^{\circ}$ C
- o Humidity: Operating 20% to 80% Non Operating 15% to 90%
- o EMC Compliance: EN55022/1998, EN55024/1998 (European Community) FCC Part 15 Class B (DoC) (US)
- o SATA Connector: S1-GND, S2-A+, S3-A-, S4-GND, S5-B-, S6-B+, S7-GND
- o Chipset: Silicon Image Sil3512
- Power Consumption: 5V / 470mA