Tekram

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

- o Independent internal two ports high speed Native Serial ATA
- o 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
- o Supports Spread Spectrum in receiver
- o Independent 256-byte FIFOs (32 bit * 64 deep) per Serial ATA channel for host reads and writes
- o Compliant with PCI Specification, revision 2.3 Integrated PCI DMA engines
- o 32 bit, 66MHz fully compliant PCI host interface
- o 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
- o 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
- o Provides RAID 1 (Mirroring) to protect the data from a disk failure by writing identical data on 2 drives
- o 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
- o 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.
- o Fully RoHS compliant   Chipset : SiI3512

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 ℃ to +50 ℃   Non Operating −25 ℃ to +70 ℃
- 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 SiI3512
- o Power Consumption: 5V / 470mA