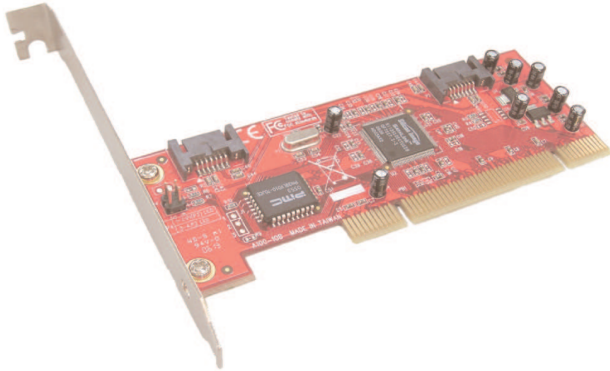# LyCOM Technology Inc.

ST-102 ► RAID SATA-150 2 Ports Low Profile PCI Host Adapter

Add LyCOM Reliable and Eye-Pattern Proven 1,500Mbps of Serial ATA 2 Ports and RAID 0, RAID 1 to your system

This PCI Host Adapter can upgrade your desktop computer to have dual Serial ATA RAID Channels. It can support Low profile PCI and regular size PCI both. The board provides a 32bit, 33/66 MHz PCI interface on the host side and dual, fully compliant Serial ATA ports on the device side to access Serial ATA hard disk drive. Striping (RAID 0) and Mirroring (RAID 1) improve the data performance and provide the data redundancy.

FEATURES

o **Includes 2 Brackets (Low profile PCI and Regular size PCI Brackets)**

o **Breaks Capacity-Limit to Support HDD larger than 137GB**

o Dual high speed SATA interface ports, each supporting data rate 1.5Gb/s

o Fully compliant with Serial ATA 1.0 specifications

o Provides RAID 0 (Stripping) to greatly increase the performance of data transfer by simultaneously writing data to 2 drives

o Provides RAID 1 (Mirroring) to protect the data from a disk failure by writing identical data on 2 drives

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 2.2

o Two LED Pin headers on board for HDD LED connection

o Jumper enable / disable on board SATA BIOS

o Integrated PCI DMA engines

o 32 bit, 33/66MHz fully compliant PCI host interface

o Supports Windows 98, Windows Millennium, Windows NT 4.0, Windows 2000, XP, 2003 and Linux

o Acts as NON-RAID card when BIOS not configured to RAID

o **Supports 64bit / 32bit Windows Vista**

o Fully RoHS compliant

o Chipset : SiI3512