

### INTRODUCTION

The Addonics EI Serial ATA PCI controller is an unique add on card for adding both External and Internal Serial ATA capability to your Desktop or Server computer. The Addonics eSATA/SATA PCI controller is an add on card for the purpose of adding both eSATA and SATA capability into your Desktop or Server computer. Coupling with the Addonics External Serial ATA cable, adding external serial ATA or eSATA storage devices to any desktop computer is simple, easy and affordable. Besides compatibility to all latest Windows OS, these host controllers also support legacy OS such as DOS and Windows NT as well as external booting.

eSATA cables provide more secured cable connection, improved durability, increased EMI protection and up to 2 meters cable length. (For more detail on this new SATA external connector, please review the following white paper posted on SATA-IO.org)

Combing with the build-in RAID 0/1 function, a high performance or fault tolerant storage system with the flexibility of external storage attachment can all be accomplished at a fraction of the cost of other storage solution with similar feature and capability.



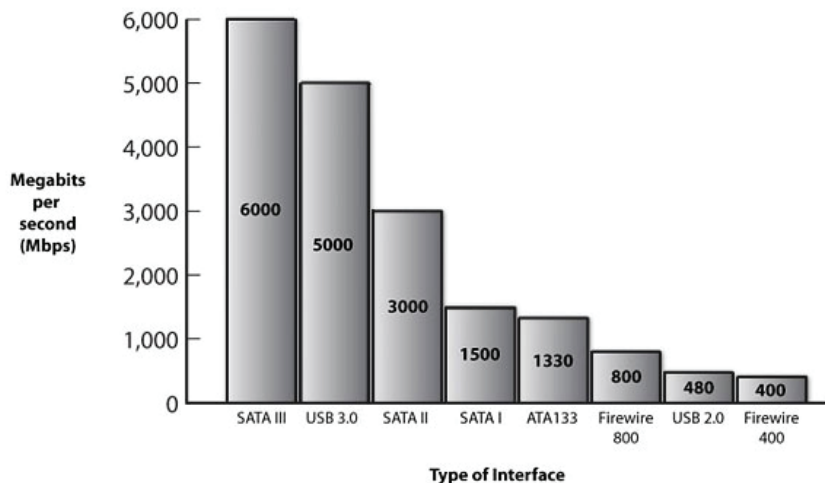
### FEATURES

- Choice of either eSATA or External SATA port externally:
  - 1 External and 1 Internal Serial ATA ports with EI Serial ATA PCI controller (ADST108)
  - 1 eSATA and 1 Internal SATA port with eSATA/SATA PCI controller (ADSAESA)
- High data throughput, up to 150 Mbytes/sec (1.5 Gbits/sec)
- Work with any Serial ATA drive
- Compatible with ATA33/66/100/133 hard drives and ATATPI device using the optional Addonics IDE to Serial ATA converter
- Built-in RAID 0 and RAID 1 support
- Can be configured to operate as a non-RAID or RAID controller
- Special External Serial ATA connector for enhanced reliability
- eSATA port for eSATA connections featuring more secure connection and reliability
- Support large hard drives of 137 GB or greater
- Silicon Image chip set Sil 3512
- Upgradeable 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 4.0, 98SE, Me, 2000, XP, Vista, Linux

### SPECIFICATIONS

- Choice of either eSATA or External SATA port externally:
  - 1 External and 1 Internal Serial ATA ports with EI Serial ATA PCI controller (ADST108)
  - 1 eSATA and 1 Internal SATA port with eSATA/SATA PCI controller (ADSAESA)
- 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 and RAID 1 support
- Upgradeable firmware
- Supports Spread Spectrum in receiver
- Compliant with PCI Specification, revision 2.2
- Work under DOS and Windows NT, 98SE, Me, 2000, XP, Vista, Linux
- Dimension (W x D x H) - 125 mm x 19 mm x 63 mm.
- 1 year warranty
- RoHS Compliant

**Data Transfer Rate comparisons on various interface standards**



### 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, Linux