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Find the *Addonics Technologies ADSA3GPX1-2E* at our website: *Click HERE*

2-Port SATA II or eSATA II RAID5/JBOD PCI-Express Controller

Model: AD2SA3GPX1, ADSA3GPX1-2E

INTRODUCTION

This new family of PCI Express controllers offer the latest 3G/sec SATA performance and configuration flexibility at an amazingly affordable price. The controllers comes with a choice of 2 internal SATA II ports or 2 eSATA II ports for external SATA connection. Both controllers can also be installed into low profile PCs using the bundled low profile bracket. The two ports can be configured as individual ports, as RAID 1, 0, 0+1, RAID 5 or JBOD. Both controllers are also Port Multiplier compatible, thus offering potential expansion capabilities and new storage solutions.



FEATURES

- Choice of controller with 2 internal SATA II ports or 2 eSATA ports
- Install into both standard height or low profile system.
- Install in PCI-Express BUS
- Fully compliant with SATA II and SATA 1.0 standard
- Maximum 3Gbits/sec per port
- Support NCQ commands
- Compatibility with Port Multiplier
- Silicon Image chip set SiI 3132
- Use as a non-RAID or RAID controller Built-in RAID 0, RAID 1, RAID 1+0, RAID5 and JBOD support
  (illustration on the left is the bundled RAID utility for Windows OS. RAID5 and JBOD requires Port Multiplier)



- Upgradeable firmware
- Hot swap support - drive can be removed and added without system shut down or restart *
- eSATA connector for more secure connection, reliability and supports up to 2 meters cable length
- Compatible with drivers for Windows XP, Vista, windows 7, Windows 8, Windows 2000, 2003 and 2008 Server, Linux (2.4 kernel and higher)
- Linux Distributions compatible

*Note: It is common in RAID5 configuration that the WRITE speed performs slower than READ. Depending on system hardware, the WRITE performance can to 25% of the READ speed. This performance difference does not affect general database application where majority of the transations are READ commands. For applications that require large files transfer or continuous writing of data on the the hard drive such as video editing, RAID5 configuration may not be desirable.

* Hot swapping hard drive has been tested on Windows OS only. When drives are configured as RAID 0 and certain RAID combination, the removal of the hard drive will result in breaking the RAID set and result in data loss.

www.addonics.com

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2-Port SATA II or eSATA II RAID5/JBOD PCI-Express Controller

Model: AD2SA3GPX1, ADSA3GPX1-2E

SPECIFICATIONS

- 48 bits LBA, support HDD partition larger than 137GB
- Supports 1-lane 2.5Gbps PCI Express
- Hot-plug capability
- SATA II transfer rate of 3.0Gbps
- Fully compliant with Serial ATA 1.0 specifications
- Supports two independent Serial ATA channels
- Independent Link, Transport, and data FIFO
- Independent command fetch, scatter/gather, and command execution
- Supports Legacy Command Queuing (LCQ)
- Supports Native Command Queuing (NCQ)
- Supports Non-zero offsets NCQ
- Supports Out of order data delivery NCQ
- Supports FIS-based switching with Port Multipliers
- 31 Commands and Scatter/Gather Tables per Port
- Two Pin headers on board for LED connection
- Temperature: Operating 0 to 70 degree C.
- Storage: -25 to 90 degree C.
- Humidity: Operating 20% to 80%
- Non Operating 15% to 90%
- RAID 0, 1, 0 + 1, RAID 5 and JBOD firmware on board
  To install OS onto a single hard drive (not in a RAID set), it must be connected to the 1st port (the lowest port on the PCI bracket). The controller BIOS must be set to 'CONCATENATED'
- Completely with drivers for Windows 2000 , XP, Vista, 7, Windows 2000, 2003 and 2008 Server, Linux (2.4 kernel and higher)

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