



## SATA 3 Gb/s RAID PCI Express Card

Two external ports, eSATA

Part No.: [150965](#)

EAN-13: 0766623150965 | UPC: 766623150965

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PCI Express Balances Cost, Performance, Compatibility and Advanced Features

PCI Express-enabled desktop computers can take full advantage of SATA speed and PCI Express efficiency with the MANHATTAN SATA 3 Gb/s RAID PCI Express Card. Easily installed, it adds dual external SATA ports to connect data storage and other SATA peripheral devices.

For fast data transfer, the MANHATTAN SATA 3 Gb/s RAID PCI Express Card supports SATA 3 Gbps and RAID 5 data transfer rates. The RAID scheme allows for greater flexibility when using multiple hard drives to share or replicate data. Users can configure the MANHATTAN SATA 3 Gb/s RAID PCI Express Card for stability, speed or a single large drive. The MANHATTAN SATA 3Gb/s RAID PCI Express Card supports RAID 5 (distributed parity RAID) for the highest read data transaction rate. JBOD support combines all drives into a single "virtual" disk drive. RAID 0 (striping) helps to increase the performance of data transfer by simultaneously writing data to multiple drives. RAID 1 (mirroring) reduces loss risks from disk failure by writing identical data on two drives. RAID 0+1 (mirrored-striping) combines both to provide performance enhancements and the data availability and integrity benefits. Using 48-bit LBA, it breaks the size limit of 137 GB hard drives to support larger storage devices. Compliance with serial ATA 1.0 specifications ensures that most PCI Express Card-equipped notebook computers and connected SATA devices can operate at peak performance. A low-profile bracket is also included to facilitate installation and bring high-performance computing to almost any desktop solution.

### Features:

- Easily adds two external SATA 3 Gb/s ports
- Supports 1-lane 2.5 Gbps PCI Express, SATA transfer rate of 3.0 Gbps and RAID 5 data transfer rates
- Provides RAID 5 (distributed parity RAID), JBOD, RAID 0 (striping), RAID 1 (mirroring), RAID 0+1 (mirrored-striping)
- Native Command Queuing (NCQ) and Legacy Command Queuing (LCQ) support maximizes drive efficiency and reduces latency
- Supports FIS-based switching with port multipliers
- Includes low-profile PCI bracket
- Plug and Play installation; hot-swappable — Windows and Mac compatible
- Lifetime Warranty

## Specifications:

### Standards and Certifications

- FCC
- CE
- SATA 1.0
- RoHS
- WEEE

### Port Specifications

- (2) eSATA (external) I-type
- Transfer rate: 3.0 Gbps
- Supports 2 independent SATA channels

### General

- 48-bit Large Block Addressing
- 2-pin header for LED connection
- Supports 1-lane 2.5 Gbps PCI Express
- Hot-plug capability
- Independent link, transport and data FIFO
- Independent command fetch, scatter/gather and command execution
- Supports legacy command queuing (LCQ), native command queuing (NCQ), non-zero offsets NCQ, out-of-order data delivery NCQ and FIS-based switching with port multipliers
- 31 commands and scatter/gather tables per port
- Chipset: Sil3132

### Physical

- Dimensions: 2.2 x 12.2 x 9.4 cm (0.85 x 4.8 x 3.7 in.)
- Weight: 42.5 g (1.5 oz.)

### System Requirements

- Windows XP/2003/Vista/2008/7 or Mac OS X v10.4.9 and higher
- Available PCI Express Card slot
- CD-ROM drive

### Package Contents

- SATA 3 Gb/s PCI Express Card
- Low profile and standard brackets
- User manual and driver CD



