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Data Sheet

# 4 Port PCI Express SATA III (6Gbps) Controller Card w/ eSATA - PCIe x4

Product ID: PEXSAT34



The PEXSAT34 4-port PCI Express SATA 6Gbps Controller Card adds 4 internal SATA ports, along with a shared eSATA port to a desktop computer through a PCIe slot (x4), providing both an internal and external SATA 6Gbps connectivity solution from a single card.

Compliant with SATA revision 3.0, this controller card provides up to 6Gbps of data bandwidth to utilize the speeds of high performance hard drives and Solid State Drives (SSD), along with Port Multiplier (PM) support on each port which allows for multiple SATA drives to be connected over a single cable.

This PCIe SATA 6Gbps (3.0) card is backed by a 2-year StarTech.com warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

RoHS Compliant Available

## Applications

- Upgrade an older PCIe-based system with SATA 6Gbps connectivity, to better utilize faster SATA drives
- Add more internal SATA ports to a computer system to connect additional storage drives and/or optical drives
- Add both internal and an external SATA port to a computer through a single PCI Express x4 slot

## Features

- 4 internal SATA ports with 1 shared eSATA port
- On-board high speed DIP switch enables switching between the shared eSATA and the internal SATA ports - no jumpers required
- Compliant with SATA revision 3.0, which can support up to 6Gbps of bandwidth
- Uses existing SATA I/II cabling
- Supports Native Command Queuing (NCQ) and ATA/ ATAPI commands
- Port Multiplier FIS-based and Command-based switching supported
- Compliant with PCI Express 2.0 standards
- Includes Low Profile/Half-Height installation bracket

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| | Warranty | 2 Years |
| **Hardware** | Bus Type | PCI Express |
| | Card Type | Standard Profile (LP bracket incl.) |
| | Chipset ID | Marvell - 88SE9128; PLX - PEX8604 |
| | Interface | eSATA & SATA |
| | Port Style | Integrated on Card |
| | Ports | 4 |
| **Performance** | LBA support | 48-bit |
| | Port Multiplier | Yes |
| | RAID | No |
| | Type and Rate | SATA III (6 Gbps) |
| **Connector(s)** | Connector Type(s) | 1 - PCI Express x4 Male |
| | External Ports | 1 - eSATA (7 pin, Data) Receptacle |
| | Internal Ports | 4 - SATA (7 pin, Data) Receptacle |
| **Software** | OS Compatibility | Windows® 8 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64)<br>Windows® Server 2012, 2008 R2, 2003<br>Mac OS® 10.6 and up (Tested up to 10.10)<br>Linux |
| **Special Notes / Requirements** | **Note** | The maximum throughput of this card is limited by the bus interface. If used with PCI Express Gen 1.0 enabled computers, the max throughput is 2.5 Gbps per lane. If used with PCI Express Gen 2.0 enabled computers, the max throughput is 5 Gbps per lane.<br>Only one port can use the Port Multiplier feature at a time.<br>Port Multiplier not supported in Mac OS. |
| | System and Cable Requirements | x4 PCI Express slot |
| **Environmental** | Humidity | 5% ~ 85% RH |
| | Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| | Storage Temperature | -20°C to 60°C (-4°F to 140°F) |
| **Physical Characteristics** | Product Height | 0.6 in [16 mm] |
| | Product Length | 5.5 in [140 mm] |
| | Product Weight | 2.5 oz [72 g] |
| | Product Width | 2.7 in [68.5 mm] |

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| **Packaging Information** | Package Quantity | 1 |
| | Shipping (Package) Weight | 5.6 oz [160 g] |
| **What's in the Box** | Included in Package | 1 - PCI Express SATA Card<br>1 - Low Profile Bracket<br>1 - Driver CD<br>1 - Instruction Manual |

Product appearance and specifications are subject to change without notice.