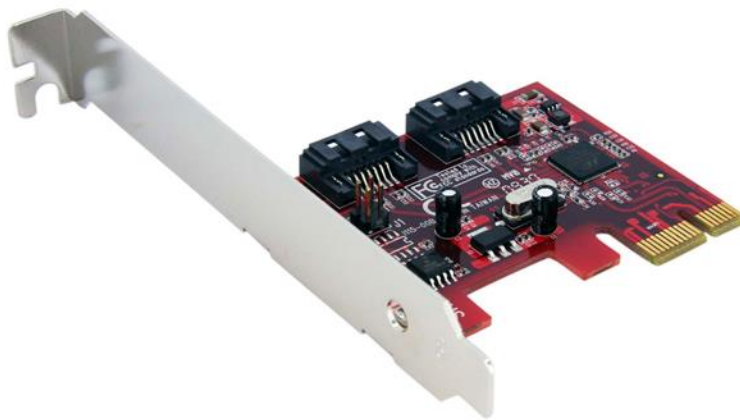


2 Port SATA 6 Gbps PCI Express SATA Controller Card

Product ID: PEXSAT32



The PEXSAT32 2-Port PCI Express SATA 6 Gbps (SATA 3.0) Controller Card offers simple connectivity between a host computer and SATA 3.0 devices - a cost-effective solution for connecting high-speed storage, such as High RPM Hard Drives and Solid State Drives (SSD), which in turn allows for easier data backups and archiving.

With full support for SATA 3.0 hard drives and data transfer speeds of up to 6 Gbps, the adapter card features a native PCI Express single chipset that provides enhanced compatibility, reliability and performance for external SATA 600 MB/s storage needs.

The controller card is backward compatible with SATA 2.0 devices, providing the versatility to use older storage, and features support for RAID 0 and 1 modes as well as port multiplier capability with command-based and FIS-based switching for connecting multiple external hard drives to a host PC through a single SATA connection.

A dual profile solution, the SATA 3.0 controller card includes a low profile/half-height bracket for installation in slimline or small form factor computer cases.

Certifications, Reports and Compatibility



Applications

- Add two internal SATA 6Gbps port for connecting SATA rev 3.0 (6Gbps) Hard Drives
- High performance internal SATA storage solution
- Multimedia streaming or video editing
- Perfect for multi-drive internal raid storage solutions

Features

- Supports SATA Rev 3.0 transfer speeds up to 6.0Gbps and backwards compatible with SATA I/II at 1.5/3.0Gbps
- Port Multiplier FIS-based and Command-based switching supported
- Supports RAID 0 and 1 modes
- Compliant with PCI Express 2.0 standards
- Uses existing SATA I/II connectors and cabling
- Supports Native Command Queuing (NCQ) and ATA/ ATAPI commands
- Ships with a full profile bracket install, low profile included
- LED headers for HDD activity LED indicators

| | | |
|-------------------------------------|--|--|
| Hardware | Warranty | Lifetime |
| | Bus Type | PCI Express |
| | Card Type | Standard Profile (LP bracket incl.) |
| | Chipset ID | Marvell - 88SE9128 |
| | Interface | SATA |
| | Ports | 2 |
| Performance | ATAPI Support | Yes |
| | Bootable | Yes |
| | Maximum Data Transfer Rate | 6 Gbps |
| | Number of Drives Supported Through Port Multiplier | 1 to 5 |
| | Number of Ports That Support Port Multiplier | 2 (can only use 1 PM at a time) |
| | Port Multiplier | Yes |
| | RAID | Yes |
| | Supported RAID Modes | RAID 0 (Striped Disks) RAID 1 (Mirrored Disks) JBOD - (Just a Bunch of Disks) |
| | Type and Rate | SATA III (6 Gbps) |
| | | |
| Connector(s) | Connector Type(s) | 1 - PCI Express x1 Male |
| | Internal Ports | 2 - SATA (7 pin, Data) Plug |
| Software | Microsoft WHQL Certified | Yes |
| | OS Compatibility | Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS® 10.6 to 10.12 Linux 3.5.x to 4.4.x <i>LTS Versions only</i> Note: Connected drives cannot be used as System / Primary drive in Windows Server 2012, 2012 R2, 2016 |
| 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. If used with PCI Express Gen 2.0 enabled computers, the max throughput is 5 Gbps. Only one port can use the Port Multiplier feature at a time. |
| Environmental | Humidity | 15~90% RH |

| | | |
|---------------------------------|---------------------------|---------------------------------|
| | Operating Temperature | 5°C to 50°C (41°F to 122°F) |
| | Storage Temperature | -25°C to 70°C (-13°F to 158°F) |
| Physical Characteristics | Product Height | 0.8 in [21.3 mm] |
| | Product Length | 2.7 in [67.7 mm] |
| | Product Weight | 1.2 oz [35 g] |
| | Product Width | 2.5 in [64.5 mm] |
| Packaging Information | Shipping (Package) Weight | 6.4 oz [180 g] |
| What's in the Box | Included in Package | 1 - SATA 6Gbps PCI Express Card |
| | | 1 - Low Profile Bracket |
| | | 1 - Driver CD |
| | | 1 - Instruction Manual |

Product appearance and specifications are subject to change without notice.