

2 Port SATA 6 Gbps PCI Express eSATA Controller Card

StarTech ID: PEXESAT32



The PEXESAT32 2 Port PCI Express 6Gbps eSATA Controller Card offers simple connectivity between a host computer and eSATA 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 external SATA connection.

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

Applications

- Adding multi-drive external raid storage solutions, with support for full SATA 3.0 data transfer rates of up to 6Gbps
- A cost-effective solution for streaming multimedia or archiving video, relying on the impressive speeds offered by SATA 3.0 (up to 6Gbps)

Features

- Supports SATA Rev 3.0 transfer speeds up to 6.0Gbps; backward 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
- Uses existing SATA I/II connectors and cabling
- LED headers for HDD activity LED indicators
- Supports Native Command Queuing (NCQ) and ATA/ ATAPI commands
- Compliant with PCI Express 2.0 standards
- Ships with a full profile bracket install, low profile included

Technical Specifications

Warranty	Lifetime
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Marvell - 88SE9128
Interface	eSATA
Ports	2
LBA support	48-bit
Maximum Data Transfer Rate	6 Gbps
Port Multiplier	Yes
RAID Supported RAID Modes	Yes
Supported RAID Modes	RAID 0 (Striped Disks)
Supported RAID Modes	RAID 1 (Mirrored Disks)
Type and Rate	SATA III (6 Gbps)
Connector Type(s)	1 - PCI Express x1 Male
External Ports	2 - eSATA (7 pin; Data) Plug
Microsoft WHQL Certified	Yes
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64) Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.6 and up (Tested up to 10.10) Linux

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.

Product Height	0.8 in [20 mm]
Product Length	2.8 in [70 mm]
Product Weight	1.3 oz [36 g]
Product Width	4.7 in [120 mm]
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)
Shipping (Package) Weight	4.3 oz [122 g]
Included in Package	1 - eSATA 6Gbps PCI Express Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

