

2 Port PCI Express eSATA Controller Adapter Card

StarTech ID: PEXESATA2



This 2 Port PCI Express eSATA Controller Adapter Card offers simple connectivity between a host computer and eSATA devices. Providing two eSATA ports the adapter card offers a cost-effective solution for connecting hot-pluggable, high-speed storage, and in turn allows for easier data backups and archiving.

With full support for SATA 300 (SATA II) hard drives and data transfer speeds of up to 3 Gbps, the adapter card features a native PCI Express single chipset that provides enhanced compatibility, reliability and performance for external SATA storage needs.

The PCI Express eSATA controller card also features port multiplier capability with command-based switching for connecting multiple external hard drives to a host Windows® system through a single external SATA connection.

A dual profile solution, the eSATA controller card includes a low profile/half-height bracket for adapting to slimline or small form factor system applications.

Applications

- Add eSATA capabilities for high speed external storage to a workstation or server
- Add Port Multiplier capable eSATA ports for expanded external storage capability
- Upgrade from slower external connection methods to native SATA connectivity

Features

- 2 external eSATA ports
- Support for FIS and Command-based Port Multiplier technology
- Large capacity drive support with 48-bit Logical Block Addressing (LBA)
- Drive Hot-Plugging support
- Support for Native Command Queuing (NCQ)
- Fully compliant with the Serial ATA 2.5 specifications with transfer rates up to 3.0Gbps
- Uses native PCI Express single chipset
- Includes a low profile/half-height installation bracket

Technical Specifications

Warranty	Lifetime
Product Height	0.8 in [20 mm]
Product Length	4.7 in [120 mm]
Product Weight	2.4 oz [67.9 g]
Product Width	3.5 in [90 mm]
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Silicon Image - Sil3132
Interface	eSATA
Ports	2
Maximum Data Transfer Rate	300 MB/sec (3.0 Gigabits/sec)
Port Multiplier	Yes
RAID	No
Supported Protocols	FIS Based Switching for an additional 1-5 ports Native Command Queuing (NCQ) Legacy Command Queuing (LCQ)
Type and Rate	SATA II (3 Gbps)
Connector Type(s)	1 - PCI Express x1 Male
External Ports	2 - eSATA (7 pin; Data) Plug
OS Compatibility	Windows® 10 (32/64), 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64), 2000 Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.x (tested up to 10.10) Linux
Note	PCI Express 1.1 and is compatible with a PCI Express 2.0 slot Port Multiplier not supported in Mac OS®
Humidity	20~80% 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	0.4 lb [0.2 kg]
Included in Package	1 - eSATA PCI Express Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Installation CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

