

2 Port PCI Express eSATA Controller Adapter Card

Product 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.

Certifications, Reports and Compatibility



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

Hardware	Warranty	Lifetime
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Silicon Image - SiI3132
	Interface	eSATA
	Ports	2
Performance	Maximum Data Transfer Rate	300 MB/sec (3.0 Gigabits/sec)
	MTBF	3,141,188 hours
	Number of Drives Supported Through Port Multiplier	1 to 8
	Number of Ports That Support Port Multiplier	2 (can use 2 PM at a time)
	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(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	2 - eSATA (7 pin, Data) Plug
Software	OS Compatibility	Windows® 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012 Mac OS X® 10.6 to 10.11 Linux 3.5.x to 4.4.x <i>LTS Versions only</i>
Special Notes / Requirements	Note	PCI Express 1.1 and is compatible with a PCI Express 2.0 slot Port Multiplier not supported in Mac OS®
Environmental	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)
Physical Characteristics	Product Height	0.8 in [2 cm]
	Product Length	4.7 in [12 cm]
	Product Width	3.5 in [90 mm]
	Weight of Product	2.4 oz [67.9 g]

Packaging Information	Package Height	1.9 in [48 mm]
	Package Length	8.7 in [22 cm]
	Package Width	6.3 in [16 cm]
	Shipping (Package) Weight	0.4 lb [0.2 kg]
What's in the Box	Included in Package	
	1 - eSATA PCI Express Card	
	1 - Low Profile Bracket	
	1 - Installation CD	
	1 - Instruction Manual	

Product appearance and specifications are subject to change without notice.