

2 Port SATA 6 Gbps PCI Express eSATA Controller Card

Product 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.

Certifications, Reports and Compatibility

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

- Compliant with PCI Express 2.0 standards
- 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
- Ships with a full profile bracket install, low profile included
- LED headers for HDD activity LED indicators
- Supports Native Command Queuing (NCQ) and ATA/ ATAPI commands
- Uses existing SATA I/II connectors and cabling
- Supports RAID 0 and 1 modes

Hardware

Warranty

Lifetime

Ports	2
Interface	eSATA
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Marvell - 88SE9128

Performance

Maximum Data Transfer Rate	6 Gbps
Type and Rate	SATA III (6 Gbps)
Port Multiplier	Yes
Number of Ports That Support Port Multiplier	2 (can only use 1 PM at a time)
Number of Drives Supported Through Port Multiplier	1 to 8
Bootable	Yes
LBA support	48-bit
Hardware Raid Supported	Yes
Supported RAID Modes	RAID 0 (Striped Disks) RAID 1 (Mirrored Disks) JBOD - (Just a Bunch of Disks)
ATAPI Support	Yes
MTBF	5,046,000 Hours

Connector(s)

Connector Type(s)	PCI Express x1
External Ports	eSATA (7 pin, Data)

Software

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10
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Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019

macOS 10.6 to 10.15, 11.0

Linux 3.5.x to 4.11.x <i>LTS Versions only</i>

Note: Connected drives cannot be used as System / Primary drive in Windows Server 2012, 2012 R2, 2016, 2019

Microsoft WHQL Certified Yes

Special Notes / Requirements

Note	<p>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.<p>Only one port can use the Port Multiplier feature at a time.</p>Port Multiplier not supported in Mac OS</p> <p>Alarm function is not supported in MSU software.</p> <p>The Marvell Storage Utility application requires macOS 10.9 to 10.14.</p>
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Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	15~90% RH

Physical Characteristics

Material	Steel
Product Length	2.8 in [70 mm]
Product Width	4.7 in [12 cm]
Product Height	0.8 in [20 mm]
Weight of Product	1.2 oz [35 g]

Packaging Information

Package Length	5.7 in [14.5 cm]
Package Width	6.9 in [17.5 cm]
Package Height	1.3 in [32 mm]



Shipping (Package) Weight	4.5 oz [127 g]
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**What's in the
Box**

Included in Package	eSATA 6Gbps PCI Express Card
	Low Profile Bracket
	Driver CD
	Instruction Manual

****Product appearance and specifications are subject to change without notice.***

