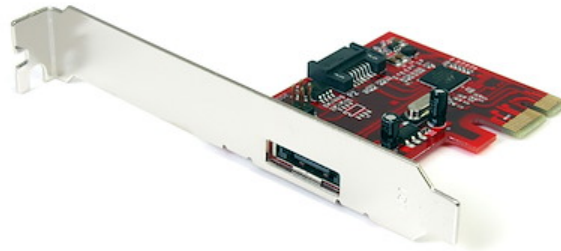


1x eSATA + 1x SATA 6 Gbps PCI Express SATA Controller Card Adapter

Product ID: PEXSAT31E1



The PEXSAT31E1 2-Port PCI Express SATA/eSATA 6 Gbps (SATA 3.0) Controller Card adds one internal SATA 3.0 (6 Gbps) and one external eSATA 3.0 (6 Gbps) port, through a single PCIe slot.

Providing simple connectivity between a host computer and SATA 3.0 internal and external devices, the PCIe SATA/eSATA 3.0 adapter/controller card offers a cost-effective solution for connecting high-speed storage, such as High RPM Hard Drives , Solid State Drives (SSD), and external storage arrays, 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.

Suitable for installation in slimline or small form factor computer cases, the PEXSAT31E1 offers a dual profile solution, including a low profile/half-height bracket for easy installation.

Certifications, Reports and Compatibility

Applications

- Add one internal SATA and one external eSATA 6Gbps port for connecting SATA rev 3.0 (6Gbps) Hard Drives
- High performance internal and external SATA storage solutions
- Multimedia streaming or video editing

- Perfect for multi-drive internal raid storage solutions
- Optimized for offsite backups, this RAID controller can be configure in RAID 1 (Mirrored) so that all information on the internal drive will be immediately copied up to an externally connected eSATA drive

Features

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

Hardware

Warranty	Lifetime
Ports	2
Interface	SATA eSATA & SATA
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 6 Gbit/s (SATA III)
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 5
Bootable	Yes
Hardware RAID Supported	Yes
Supported RAID Modes	JBOD - (Just a Bunch of Disks) RAID 0 (Striped Disks) RAID 1 (Mirrored Disks)
ATAPI Support	Yes

Connector(s)

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

Software

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10 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
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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.<p>Only one port can use the Port Multiplier feature at a time.</p> Alarm function is not supported in MSU software.
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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
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Physical Characteristics

Color	Red
Product Length	2.6 in [67 mm]
Product Width	2.1 in [53 mm]
Product Height	0.7 in [18 mm]
Weight of Product	1.1 oz [30 g]

Packaging Information

Package Length	5.7 in [14.4 cm]
Package Width	6.9 in [17.4 cm]
Package Height	1.3 in [33 mm]
Shipping (Package) Weight	4.3 oz [123 g]

What's in the Box

Included in Package	PCI Express SATA Controller Card
	Driver CD
	Instruction Manual
	Low Profile Bracket

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

