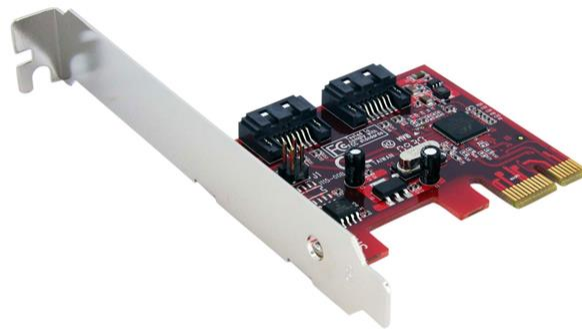


2 Port SATA 6 Gbps PCI Express SATA Controller Card

Product ID: PEXSAT32



The PEXSAT32 2-Port PCI Express SATA 6 Gbps (SATA 3.0) Controller Card offers simple connectivity between a host computer and SATA 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 SATA connection.

A dual profile solution, the SATA 3.0 controller card includes a low profile/half-height bracket for installation in slimline or small form factor computer cases.

Certifications, Reports and Compatibility



Applications

- Add two internal SATA 6Gbps port for connecting SATA rev 3.0 (6Gbps) Hard Drives
- High performance internal SATA storage solution

- Multimedia streaming or video editing
- Perfect for multi-drive internal raid storage solutions

Features

- LED headers for HDD activity LED indicators
- Compliant with PCI Express 2.0 standards
- Port Multiplier FIS-based and Command-based switching supported
- Ships with a full profile bracket install, 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 I/II connectors and cabling
- Supports RAID 0 and 1 modes

Hardware	Warranty	Lifetime
	Ports	2
	Interface	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	RAID 0 (Striped Disks)
	Hardware Raid Supported	RAID 1 (Mirrored Disks)
	Supported RAID Modes	JBOD - (Just a Bunch of Disks)
	Supported RAID Modes	Yes
	Supported RAID Modes	
	ATAPI Support	
Connector(s)	Connector Type(s)	PCI Express x1
	Internal Ports	SATA (7 pin, Data)

Software	OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10
	Microsoft WHQL Certified	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019
		Mac OS 10.6 to 10.14
		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
		Yes
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>
	Note	
	Note	Alarm function is not supported in MSU software.
	Note	Port Multiplier not supported in Mac OS
		The Marvell Storage Utility application requires macOS 10.9 to 10.14.
Environmental	Operating Temperature	5C to 50C (41F to 122F)
	Storage Temperature	-25C to 70C (-13F to 158F)
	Humidity	15~90% RH
Physical Characteristics	Product Length	2.7 in [67.65 mm]
	Product Width	2.5 in [64.5 mm]
	Product Height	0.8 in [21.3 mm]
	Weight of Product	1.2 oz [33 g]
Packaging Information	Package Length	6.9 in [1.8 cm]
	Package Width	5.7 in [1.4 cm]
	Package Height	1.3 in [32 mm]
	Shipping (Package) Weight	4.4 oz [126 g]
What's in the Box	Included in Package	SATA 6Gbps PCI Express Card
	Included in Package	Driver CD
	Included in Package	Instruction Manual
	Included in Package	Low Profile Bracket

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

