

Art No. PC0064

SATA 6Gbps H/W RAID PCI Express Card

The PCI-Express SATA controller card PC0064 brings a high performance 6.0Gbps hardware RAID 0/RAID 1 solution to desktop/consumer storage applications utilizing a native 1-Lane PCI Express 2.0 interface. The card supports SATA 6Gbps devices complaint with Serial-ATA Revision 3.0 specification and ATA/ATAPI-7 specification. It is also backward compatible with SATA 1.5Gbps and 3.0Gbps devices.

The LED indicator headers on the card are specially designed so that the front panel LED indicator can show Read/Write activities of any hard disk drives connected to the card.

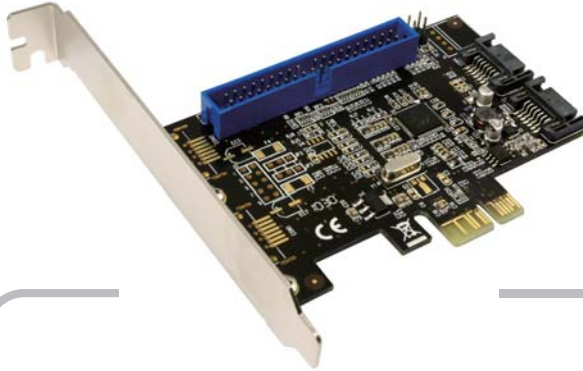
The orientation and position of the two internal SATA ports are well designed so that cable wiring is very easy in small form factor computer chassis.

The card also comes with an internal Parallel-ATA port providing support for up to one legacy ATA/ATAPI storage devices such as IDE hard drives.

Specification:

General

- Chipset: Marvel 88SE9128
- Compliant with PCI-Express 2.0 Base Specification
- Based on Marvel 88SE9128 PCI-Express 2.0 SATA 6Gbps hardware RAID controller
- 1-Lane PCI-Express 2.0 interface supports communication speed of 2.5Gbps and 5.0Gbps
- Unique Hard Drive Activity LED indicator circuit design: The LED blinks when there is read/write activity on any one of the hard drive connected to SATA port of this add-on card
- Supports Windows 7 32/64-bit, Server 2008 32/64-bit, Vista 32/64-bit, Server 2003 32/64-bit, XP 32/64-bit, and Linux



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Serial-ATA (SATA) Interface

- Two SATA 6.0Gbps ports
- Compliant with Serial-ATA Specification 3.0
- Supports communication speed of 6.0Gbps, 3.0Gbps, and 1.5Gbps
- Compatible with SATA-III (6Gbps), SATA-II (3Gbps), SATA-I (1.5Gbps) hard drives and SSD's
- Supports Gen 1i, Gen 1x, Gen 2i, Gen 2m, Gen 2x, and Gen 3i
- Supports Hardware RAID 0 and RAID 1
- Supports Native Command Queue (NCQ)
- Supports SATA Port Multiplier FIS based switching or command based switching
- Supports SATA port Hot-Plug
- Supports AHCI 1.0 and IDE programming interface
- Supports ATA and ATAPI commands

- Supports Multiword DMA and PIO modes for data transfer
- Supports IDE programming interface

Package Contents

- 1 x PCI-Express SATA RAID Card
- 1 x Driver CD
- 1 x User Manual
- 1 x Internal Cable for LED Indicator

Packaging Information:

- Packing Dimension: 170x183x61 mm
- Packing Weight: 0.15kg
- Carton Dimension: 760x410x210 mm
- Carton Q'ty: 40pcs
- Carton Weight: 6.5kgs

Parallel-ATA (PATA / IDE) Interface

- One PATA port supporting ATA/ATAPI IDE devices (Master and Slave)
- Compliant with ATA/ATAPI-7 specification
- Supports DMA protocols, and up to UDMA 150 Mbps data transfer rate