

## 4 Port PCI SATA RAID Controller Adapter Card

StarTech ID: PCISATA4R1



Make the jump to Serial ATA performance with a four-port RAID card from StarTech.com. You get four RAID-ready internal Serial ATA ports for your high performance Serial ATA hard drives. Whether you need Striping (RAID 0), Mirroring (RAID 1), or both (RAID 0+1), this card has you covered.

The PCISATA4R1 also supports RAID 1+S (Mirrored-Sparing), which automatically replaces a failed hard drive and rebuilds the system if a booting hard drive fails.

It also includes a low profile bracket for adapting to slimline or small form factor system applications. Plus, guaranteed performance backed by our lifetime warranty and FREE lifetime tech support makes this the perfect upgrade for power users.

### Applications

- Add SATA capabilities to an old PCI-based desktop or server computer system
- Expand an existing system with 4 additional SATA ports
- Add additional ports to a low profile/small form factor (SFF) computer system
- Add a RAID 1 mirror to a workstation or server for data redundancy
- Add a RAID 0 strip to a desktop computer for performance

## Features

- 4 internal SATA ports
- Support for JBOD and RAID modes: 0 (stripping), 1 (mirror), 0+1 (strip/mirror)
- Large capacity drive support with 48-bit Logical Block Addressing (LBA)
- Hot-Spare and Hot-Plugging support
- Supports first-party DMA commands for Native Command Queuing
- Fully compliant with the Serial ATA 1.0a specification, with transfer rates up to 1.5Gbps
- Includes a low profile/half-height installation bracket

## Technical Specifications

Warranty	Lifetime
Ports	4
Interface	SATA
Bus Type	PCI / PCI-X (5 / 3.3V)
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Silicon Image - Si3114R
Connector Type(s)	1 - PCI / PCI-X (Universal 3.3 & 5V; 32-bit) Male
Internal Ports	4 - SATA (7 pin; Data) Plug
Maximum Data Transfer Rate	1.5Gbps
FIFO	256 Bytes per channel
Type and Rate	SATA I (1.5 Gbps)
Port Multiplier	No
LBA support	48-bit
RAID	Yes
Supported RAID Modes	CLONE (RAID 1 + Spare)
Supported RAID Modes	JBOD - (Just a Bunch of Disks)
Supported RAID Modes	RAID 0 (Striped Disks)
Supported RAID Modes	RAID 1 (Mirrored Disks)
Supported RAID Modes	RAID 10 (1+0; Striped set of Mirrored Subset)
OS Compatibility	Windows 2000/ XP(32/64-bit)/ Server 2003(32/64-bit)/ Server 2008 R2/ Vista(32/64-bit)/ 7(32/64-bit)/ 8(32/64-bit) Linux
Product Length	4.7 in [120 mm]
Product Width	1.8 in [45 mm]
Product Height	0.9 in [22 mm]
Product Weight	1.6 oz [46 g]
Shipping (Package) Weight	0.4 lb [0.2 kg]
Included in Package	1 - PCI SATA card
Included in Package	1 - Low Profile Bracket

Included in Package 1 - Installation CD  
Included in Package 1 - Instruction Manual

**Certifications, Reports and Compatibility**

