

Adaptec® Serial ATA RAID 2410SA



Cost-effective, high-performance storage connectivity and data protection for high-end workstations and entry-level servers.

Serial ATA, the successor technology to parallel ATA for data storage, is a point-to-point connection that delivers full throughput to each storage device by allowing multiple ports to be managed by a single controller. Adaptec's Serial ATA technology delivers data transfer rates starting at 1.5 Gbit/sec and a performance roadmap that calls for extensions to 3.0 Gbit/sec and ultimately 6.0 Gbit/sec. Adaptec's Serial ATA cables are thinner, simpler to route and install, and provide better airflow for system cooling than parallel ATA cables. Designed for desktops, workstations and entry-level servers, the Adaptec native Serial ATA solutions are comparable in cost to parallel ATA solutions and fully compatible with current operating systems.

Adaptec Serial ATA RAID 2410SA

Adaptec makes it easier and more cost-effective for small businesses to deploy, manage, configure and protect storage resources with the Adaptec Serial ATA RAID 2410SA. This card is an affordable, advanced-featured 4-port PCI RAID card that provides cost-effective, high-performance storage connectivity and data protection for high-end workstations and entry-level servers. The Adaptec 48-bit LBA support enables use of disk drives exceeding 137 GByte in capacity. The controller supports RAID levels 0, 1, 5, 10 and JBOD to provide configuration flexibility for your storage investments.

Adaptec Serial ATA Delivers Advanced RAID Features

The Adaptec Serial ATA RAID 2410SA combines the cost and performance advantages of native Serial ATA technology with Adaptec's advanced RAID feature set to maximize data availability and system

performance. Adaptec's exclusive Optimized Disk Utilization enables the controller to use the full available capacity of all attached drives, even if the drive sizes are different, unlike competing solutions that limit capacity usage to the smallest drive in an array. The controller also allows IT managers to create multiple arrays across a single set of drives and tailor arrays to applications. With RAID Level Migration, data protection and system performance levels can be tuned to changing business needs.

Transitioning Adaptec Parallel ATA RAID to Serial ATA RAID Solutions

The Adaptec 2410SA is a logical next step in upgrading from ATA RAID to Serial ATA RAID. The advanced RAID feature set provided with the Adaptec 2410SA brings features previously only available in high-end SCSI to the Serial ATA space.

Broad Operating System Support and Key Management Features

The Adaptec Serial ATA RAID 2410SA supports Windows® Server 2003, Windows XP, Windows 2000, RedHat Linux, SuSE Linux, SCO UnixWare, and Caldera Open UNIX operating systems along with key system monitoring features such as enclosure management, S.M.A.R.T. and SNMP.

Compatibility and Support You Can Count On

Like all other Adaptec cards, the Adaptec Serial ATA RAID 2410SA has been extensively tested with third-party systems and Serial ATA devices to deliver unsurpassed compatibility – now and in the future. It is backed by a three-year warranty and Adaptec's industry-leading technical support.

Product Highlights

- Four ports support up to four Serial ATA drives
- Intel 80302 microprocessor
- 48-bit LBA supports large drives
- RAID 0, 1, 10, 5 and JBOD
- Optimized Disk Utilization
- Online Capacity Expansion
- RAID Level Migration
- Enclosure Management Ready

Adaptec Serial ATA RAID 2410SA

Adaptec Serial ATA RAID 2410SA (1961900)

Why to Buy	Affordable, advanced-featured, microprocessor based Serial ATA RAID card for data protection
Customer Needs	Ideal for workstations as well as entry-level servers requiring advanced RAID features and supporting up to four Serial ATA drives
Environment	High-end workstations and entry-level servers
Device Support	Up to 4 Serial ATA disk drives
Data Transfer Rates	Up to 1.5 Gbits/sec
RAID Levels	0, 1, 5, 10, JBOD
Cache Memory	64 Mbyte
Bus Type	64-bit/66MHz PCI
Internal Connectors	Four Serial ATA connectors
System Requirements	Intel PC or equivalent with available universal PCI slot
Operating System Support	Windows® Server 2003, Windows XP, Windows 2000, RedHat and SuSE Linux, SCO UnixWare and Caldera Open UNIX <i>(for latest supported kernels visit www.adaptec.com)</i>
Key RAID Features	<ul style="list-style-type: none"> • Optimized disk utilization • Online RAID Level Migration • Online Capacity Expansion • Background initialization • S.M.A.R.T support • Enclosure Management Ready
Software in Kit	Adaptec Storage Manager™ – Browser Edition, BIOS configuration utility, Command Line Interface (CLI)
Cables in Kit	Four 1-meter Serial ATA cables
Physical Dimensions	PCI MD2 form factor (low-profile) 2.5in H x 6.6in L 6.4cm H x 16.8cm L
Operating Temperature	0° to 55° C
Power Requirements	1.6 amps @ +5V
Warranty	3 years

○ 2410SA



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