

Adaptec® SATA RAID 1225SA

Two-port eSATA PCIe RAID controller



Initially Serial ATA (SATA) was designed as an internal, or inside-the-box, interface technology, bringing improved performance and new features for disk and tape drives inside the PC system. Now, the same performance and features are available for storage needs outside the PC, without relying on USB or 1394 connectivity. Called external SATA or eSATA, this technology allows customers to utilize shielded cable lengths up to 2 meters outside the PC to take advantage of the benefits the SATA interface brings to storage. eSATA provides up to 5 times more performance than existing solutions and supports hot-plug devices as well.

Designed to the latest eSATA 3Gb/s SATA specification, the Adaptec RAID 1225SA two-port controller features HostRAID™ — an integrated RAID technology that can be easily configured as 2 individual ports with no RAID (JBOD), with RAID 0, or with RAID 1.

Adaptec RAID 1225SA performance advantages

When installed into the fast PCIe bus, this controller ensures maximum data throughput of 3Gb/s per port. In addition, the latest external SATA (eSATA) connector

also provides more secure cable connection, improved durability, increased EMI protection, and up to 2 meters cable length. Throughput up to 200Mb/s of sustained data transfer can be achieved using standard 7,000 RPM SATA hard drives by setting up 2 drives in a RAID 0 configuration. Applications ideal for the Adaptec 1225SA include external direct attached storage for professional workstations and entry servers.

Easy-to-use storage management

The intuitive Adaptec Storage Manager™ (ASM) tool centralizes management of all Adaptec RAID products. ASM enables remote RAID management, monitoring, and configuration through secure, encrypted communication. Pop-up tips and online help simplify RAID array creation and management.

Compatibility, reliability, and support

Adaptec has been delivering storage and I/O solutions for over 25 years, and is the undisputed RAID leader — no technology is more proven. These cards are tested thoroughly for third-party compatibility, and are backed by a 3-year warranty and legendary Adaptec technical support.

Key Features and Benefits

- Installs in any available PCI Express (PCIe) slot
- Two eSATA ports with transfer rates of 3.0Gb/s (300MB/s)
- Supports RAID 0 (striping) & RAID 1 (mirroring) for speed and data protection
- Supports volumes greater than 2TB
- Supports Native Command Queuing (NCQ)
- Supports SATA hard drive hot-plugging
- User-friendly Adaptec Storage Manager™ RAID management software utility simplifies RAID configuration

Adaptec SATA RAID 1225SA

Adaptec RAID 1225SA RoHS Kit

Ordering Part Number: 2257700-R

Adaptec SATA RAID Card 1225SA	
Why to Buy?	eSATA provides up to 5 times more performance than USB 2.0 and 1394 solutions and supports hot plug devices
Customer Needs	Ideal for entry-level servers, workstations, and desktops requiring external storage
Environment	Intel IA32, EM64T, and AMD64
Device support	eSATA disk drives and tape drives
Data transfer rates	Up to 3.0Gb/s
RAID level support	0, 1, and JBOD
Bus type	PCI Express (PCIe) x1
System requirements	PCI Express-enabled system with an available PCIe slot
Operating System	Windows Vista, XP, 2003 Red Hat Linux Enterprise Server 4.0, 5.0 SUSE Linux Enterprise Server 10 SLES 9.0 Novell NetWare 6.5
Kit Contents	Adaptec 1225SA card with full height bracket Adaptec Storage Manager™ Software CD CD with device drivers and documentation Quick Install Guide 2 eSATA cables Low-profile replacement bracket
Physical Dimensions	2.5 inch H x 3.5 inch L (6.4cm x 8.5cm)
Regulatory approval(s)	FCC Class B (DoC) & CE RoHS-compliant
Operating Temperature	0 to 55 degrees C
Power Requirements	0.9 amps @ 3.3V
Warranty	3 years



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