

Intel® RAID Controller SRCSASLS4I

Cost-Effective Hardware RAID Designed Especially for Systems with Expander Backplanes

Product Overview

The Intel® RAID Controller SRCSASLS4I, powered by LSI MegaRAID* technology, provides high-performance, cost-effective data protection for systems using expander backplanes or those with few hard drives. With a true MD2 low-profile form factor, the SRCSASLS4I is ideal for many servers that use SAS and SATA hard drives.

Support for RAID 6 and battery backup strengthens the data protection capabilities of the SRCSASLS4I, without compromising critical data, even if two drives fail simultaneously. This feature is particularly useful when using several high-capacity SATA hard drives. The Intel® RAID Smart Battery can protect the integrity of the data for more than two days if a power or server failure occurs.

All Intel RAID solutions are validated across multiple platforms with Intel® boards, chassis, and systems. Customized training, as well as Intel® service and support, make Intel the one source for customers seeking data protection, increased productivity, and simplified IT.



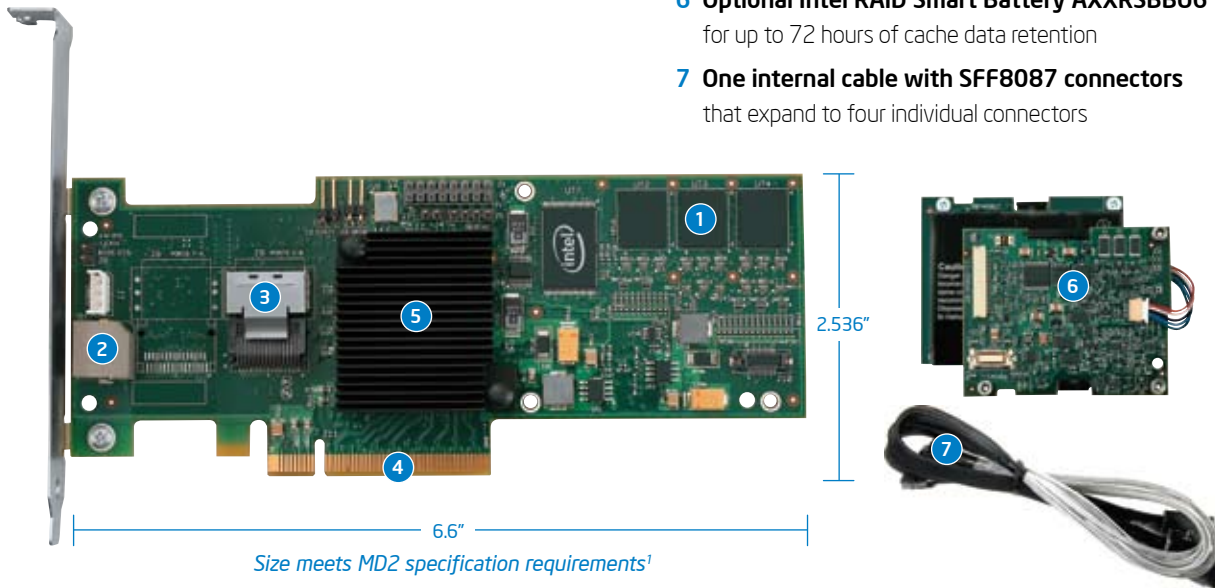
Key Advantages

- **Exceptional data protection.** Supports data redundancy using SAS or SATA hard disk drives through mirroring, parity, and double parity (RAID levels 1, 5, and 6) plus striping capability for spans (RAID levels 10, 50, and 60).
- **Inside-the-box design flexibility.** With a true MD2 form factor, this adapter can fit in many server environments. Four internal 3 Gb/s SAS/SATA ports allow connection to high-performance SAS or SATA drives, high-capacity SATA drives or a combination of both.
- **Affordable high-performance storage.** LSI SAS1078 ROC technology, PCI Express* x8 host interface and 667 MHz cache enhance the performance of storage within cost-sensitive installations.
- **Outstanding availability.** Delivers proactive drive monitoring and automatic error correction. An optional battery backup maintains data without the need for an uninterruptible power supply.
- **Increased IT productivity.** Includes a suite of tools that are common across all Intel SAS/SATA RAID solutions, for easy installation and advanced management.

Features

Intel® RAID Controller SRCASLS4I *Powered by LSI MegaRAID* Technology*

- 1 **Embedded 128 MB 667 MHz cache** (ECC DDR2 memory)
- 2 **Speaker** to deliver audible alerts
- 3 **SFF8087 SAS/SATA connector** for up to four internal ports
- 4 **PCI Express* x8 interface** for fast communication with the server board
- 5 **LSI SAS1078 ROC controller**
- 6 **Optional Intel RAID Smart Battery AXRSBBU6** for up to 72 hours of cache data retention
- 7 **One internal cable with SFF8087 connectors** that expand to four individual connectors



For more information on the Intel® RAID Controller SRCASBB, visit: www.intel.com/go/serverproducts

To build your system and get more details on Intel® server configurations, visit: www.intel.com/go/serverconfigurator

For more information on how to make the Intel® RAID Controller SRCASBB part of your server environment, please contact an Intel® Channel Partner Program participant.

¹ Per PCI specification, MD2 refers to a Maximum Depth of 6.6 inches.

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Technical Specifications

RAID Levels and Spans	RAID Levels 0, 1, 5, and 6 RAID Spans 10, 50, and 60
Fault Tolerant Features	Online Capacity Expansion Hot-Spare Support Enclosure Management S.M.A.R.T. Support
Intel® RAID Software	Intel® RAID Web Console 2 Intel® RAID Flash Utilities
I/O Processor	LSI SAS1078 ROC with IBM PowerPC* 440 core running at 500 MHz, and dual-independent DMA controllers
Drive Types	SAS or SATA 3 Gb/s
Maximum Drives	Up to 16 physical devices supported
Connectors	One SFF8087 x4 SAS/SATA internal connector
Cache Memory	Embedded 128 MB
PCI Interface	PCI Express* x8
BBU Support	Intel® Smart Battery AXRSBBU6
Form Factor	Low profile, MD2 (6.6" x 2.536")
Data Transfer Rates	Up to 3 GB/s per port
Operating Temperature	Maximum ambient: 50°C (40°C with optional BBU)
Operating Voltage	+3.3 V

