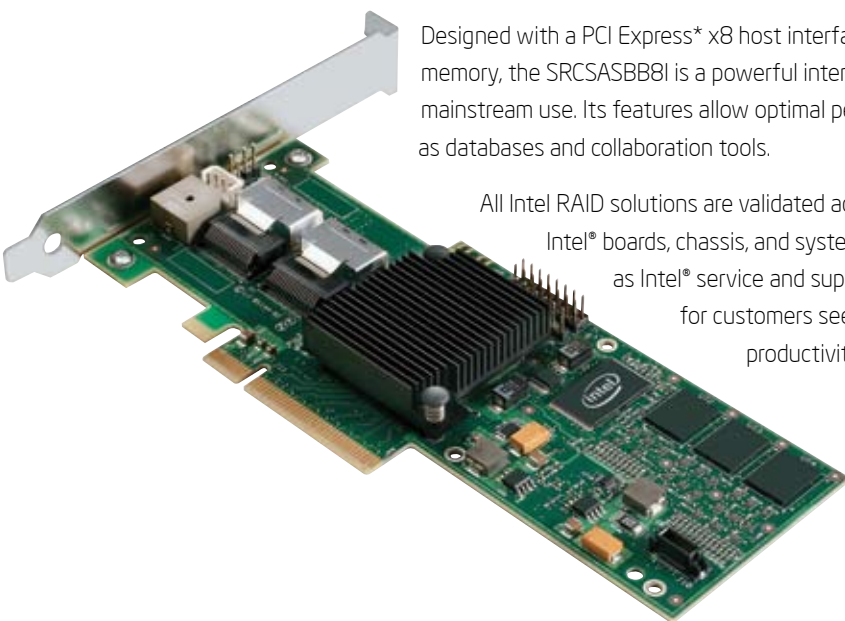# Intel® RAID Controller SRCSASBB8I

Compact MD2 RAID Solution Delivers 8 SAS/SATA Ports for Both Mainstream and Small Form Factor Systems

Product Overview

The Intel® RAID Controller SRCSASBB8I, powered by LSI MegaRAID* technology, offers hardware RAID data protection and maximum design flexibility. With a true MD2 low-profile form factor, the SRCSASBB8I allows system builders to attach SAS and SATA hard drives within servers of many form factors. Support for RAID 6 and 60 strengthens data protection capabilities by ensuring data integrity, even if two drives fail simultaneously.

Designed with a PCI Express* x8 host interface and 667 MHz DDR2 memory, the SRCSASBB8I is a powerful internal SAS/SATA RAID solution for mainstream use. Its features allow optimal performance for applications such as databases and collaboration tools.

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.
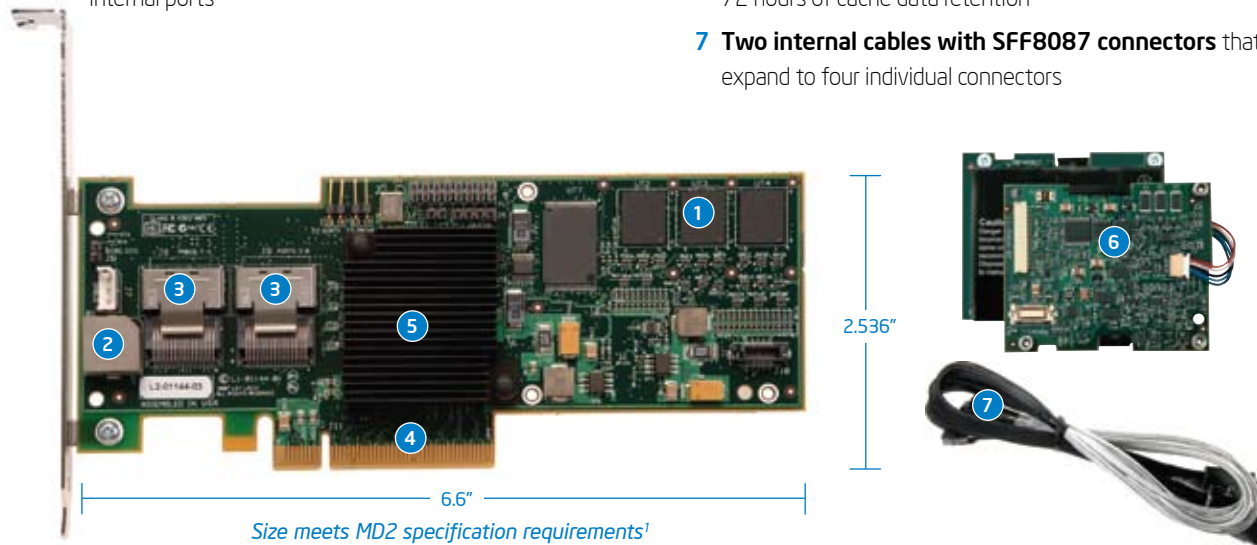
Key Advantages

- **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 is ideal for low-profile height and half-length adapter slots. Eight 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.

- **Excellent performance.** LSI SAS1078 ROC technology, PCI Express* x8 host interface and 667 MHz cache enhances the performance of mainstream applications.

- **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 SRCSASBB8I *Powered by LSI MegaRAID* Technology*

1 **Embedded 256 MB 667 MHz cache (ECC DDR2 memory)**

2 **Speaker** to deliver audible alerts

3 **SFF8087 SAS/SATA connectors** for up to eight internal ports

4 **PCI Express* x8 interface** for fast communication with the server board

5 **LSI SAS1078 ROC controller**

6 **Optional Intel® Smart Battery AXXRSBBU6** for up to 72 hours of cache data retention

7 **Two internal cables with SFF8087 connectors** that expand to four individual connectors

2.536"

6.6"

Size meets MD2 specification requirements[1]

For more information on the Intel® RAID Controller SRCSASBB8I, 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 SRCSASBB8I part of your server environment, please contact an Intel® Channel Partner Program participant.

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 32 physical devices supported
Connectors	Two SFF8087 x4 SAS/SATA internal connectors
Cache Memory	Embedded 256 MB
PCI Interface	PCI Express* x8
BBU Support	Intel® Smart Battery AXXRSBBU6
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

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

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