

Product Brief

Intel® RAID Controller
SRCSAS18E

Intel® RAID Controller SRCSAS18E

An Eight-Port RAID Solution Delivering High Performance and Reliability



Product Overview

Industry Proven RAID Protection

Expanding businesses need storage solutions. Protecting critical data with RAID technology while enabling enhanced performance, reliability, and scalability are prime goals for growing companies. Ideal solutions require a high-performance bus, extensive memory capacity, and a flexible approach to system setup and management.

The Intel® RAID Controller SRCSAS18E is the first Intel RAID Controller to support both Serial ATA (SATA) and Serial Attached SCSI (SAS) devices. This gives businesses the ability to customize RAID solutions and help lower the total cost of ownership with a standardized server and storage infrastructure.

The RAID Controller SRCSAS18E supports RAID 0, 1, 5, 10, and 50 and enclosure management using SAF-TE and SES2 protocols. The controller simplifies long-term server operation and maintenance by providing auto rebuild, remote Web-based management of the RAID array through the Intel® RAID Web Console 2 utility, and both online capacity expansion and RAID-level migration.

For next-generation management capabilities, including extensive automation and an intuitive user interface, the Intel RAID Controller SRCSAS18E ships with the Intel® RAID BIOS Console, Intel RAID Web Console 2, and command line utilities.

Key Advantages

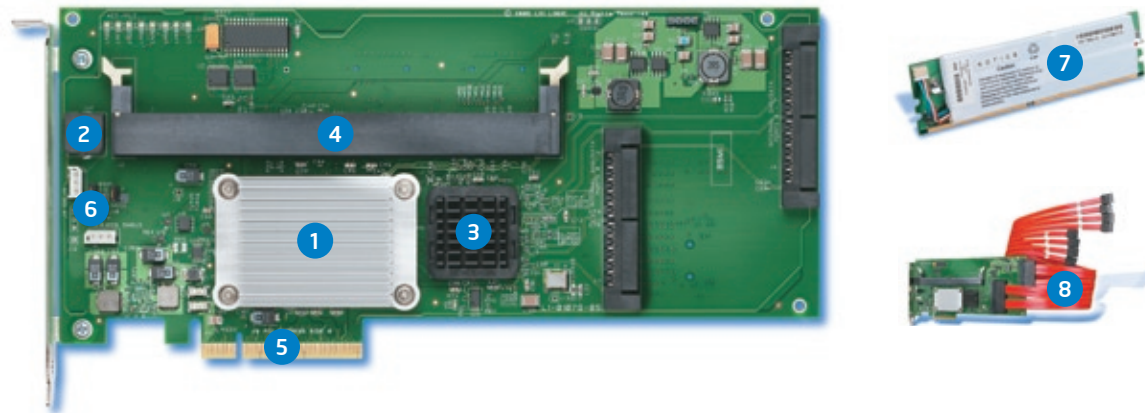
- Industry proven RAID data protection
- Flexibility for both SAS and SATA drives
- PCI Express* host interface for increased bandwidth
- Advanced management suite



Features and Benefits

Intel® RAID Controller SRCAS18E

- 1 Intel® IOP333 500 MHz I/O processor operating at 500 MHz**
- 2 Audible alarm**
- 3 Eight internal Serial ATA (SATA) / Serial Attached SCSI (SAS) ports** that support hot-plug capabilities and enclosure management
- 4 DIMM socket** for the RAM or Portable Cache Module (battery)
- 4a Included 256MB of Registered ECC DDR2 SDRAM** (upgradable) (not pictured)
- 5 PCI Express* x8 interface** can be used in a full duplex x16 slot
- 6 I2C support**
- 7 Optional battery-backup unit** (Intel® Portable Cache Module AXRPCM2) for up to 72 hours of cache data retention
- 8 Includes two cables** going from onboard ports to 8 individual connectors



For more details on the Intel® RAID Controller SRCAS18E please see: support.intel.com/support/motherboards/server/srcsas18e

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 SRCAS18E part of your server environment, please contact an Intel® Channel Partner Program participant.

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Technical Specs

Form Factor	Full-height, three-quarter length PCI: 9.5" x 4.4" (241mm x 112mm)
Availability	Auto hot-spare, auto rebuild, auto rebuild restore, drive roaming, controller migration, online capacity expansion, remote monitoring and management
Manageability	Intel® RAID BIOS Console, Intel® RAID Web Console 2, Command Line Utilities
Configurability	Variable stripe size, variable cache options, drive coercion, array spanning, variable rebuild rate
Status Indicators	Audible alarm, 12C (for enclosure management)
Ambient Temperature	Operating (dry bulb): 0°C to 55°C
Regulatory Compliance	Integration with a validated Intel® server board and configuration as outlined in the Intel® RAID Controller SRCAS18E Hardware Guide for the following countries or regions: Australia/New Zealand, Canada, Europe, International, Japan, Taiwan, United States

Operating system support is contingent on the operating-system support of the motherboard in which the controller is installed. For information on the latest operating system support, visit: <http://support.intel.com>.

Drivers and utilities for Microsoft Windows® Server 2003 Enterprise Edition, Microsoft Windows® 2000 Advanced Server, Microsoft Windows® XP, Red Hat® Enterprise Linux® 3 and 4, SUSE LINUX® Enterprise Server 9

