

Intel® RAID Controller SRCU42X Features

Features	Benefits
Intel® IOP321 I/O processor	Outstanding RAID performance.
Two-channel Ultra320 SCSI with support for up to 30 drives	High I/O bandwidth (320MB/sec per SCSI channel) and I/O expandability.
64-bit/133MHz PCI-X interface	Rapid data-transfer rate, high availability and flexibility.
Support for RAID levels 0, 1, 5, 10, 50, and JBOD	Flexibility for optimizing performance and fault tolerance in a variety of solutions.
128MB DIMM included (supports 32MB-512MB of PC1600 ECC DDR SDRAM)	Data integrity.
New software suite: Intel® RAID BIOS Console, Intel® RAID Web Console, Intel® RAID Command Tool, Intel® RAID Diagnostics, Intel® RAID Flash Utilities	Ease of management, monitoring, reporting, and diagnostics.
Background initialization and instant availability	Immediate accessibility to the host operating system, shorter build time.
Online capacity expansion and RAID-level migration	Availability and flexibility.
Remote event monitoring via SNMP	Manageability and availability.
SAF-TE-compliant	Reliability with hot-plug and hot-spare support.
Microsoft* Server Clustering Support	High availability.
Optional battery-backup unit	Data reliability.
Three-year limited warranty	Intel quality, validation, service and support.

Related Products

Processors	Intel® Xeon® Processor
Other	Intel® Server Boards
	Intel® Server Chassis
	Intel® PRO Server Adapters
	Intel® Server Management

Intel® RAID Controller SRCU42X Specifications

Hardware	
Processor	Intel® IOP321 I/O processor : based on Intel XScale® technology, with hardware XOR.
Memory	Supports 32MB-512MB of PC1600 ECC DDR SDRAM (ships with 128MB DIMM installed).
PCI	64-bit/133MHz PCI-X interface (PCI 2.2 and PCI-X 1.0 compliant), 3.3V adapter, backward compatible to 33MHz and 66MHz.
SCSI	Two-channel Ultra320 SCSI with support for up to 30 drives (15 per channel), each channel has one internal 68-pin connector (UHD LVD), and one external 68-pin connector (VHDC LVD).
Form Factor	Half-length, full-height PCI: 175mm x 107mm (6.875" x 4.2").
Status Indicators	Audible alarm, LEDs.
Software	
RAID Levels Supported	0, 1, 5, 10, 50 and JBOD.
Scalability	Online RAID-level migration and capacity expansion without reboot.

