

Enclosure Management Cabling for Rack-Optimized Systems

Cabling Guide for:

- Intel[®] Server System SR1500AL
- Intel[®] Server System SR1550AL
- Intel[®] Server System SR2500BRP
- Intel[®] Server Chassis SR1500
- Intel[®] Server Chassis SR1550
- Intel[®] Server Chassis SR2500
- Intel[®] RAID Controller SRCS16
- Intel[®] RAID Controller SRCS28X
- Intel[®] RAID Controller SRCSAS18E
- Intel[®] RAID Controller SRCSAS144E

Revision 1.2 May 2007

Revision History

Date	Revision Number	Modifications
January, 2007	1.0	Initial release.
April, 2007	1.2	Updated SRCS16, SRCS28X, and SRCSAS144E information

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When using a rack-optimized system with passive backplane / midplane and an add-in RAID card, you must install an additional 3-pin cable between the RAID card and the backplane or midplane to enable fault LED control. The cable is included with your integrated system or backplane / midplane kit.

RAID Controller	Connector	
Intel [®] RAID Controller SRCS16	Connector: 4-pin J6, see picture Note: RAID firmware ver. 713S or higher and HSC FW 2.05 or higher are required	
Intel [®] RAID Controller SRCS28X	J13, 3-pin, white Note: HSC FW 2.05 or higher is required.	
Intel [®] RAID Controller SRCSAS18E	J18, 3-pin, white	
Intel [®] RAID Controller SRCSAS144E	Enclosure management not supported with passive backplanes/midplanes. Do not connect SES cable.	
SATA Embedded RAID (ESB2)	No additional cable needed with rack chassis.	
SAS Embedded RAID (LSI* 1064e)	No additional cable needed with rack chassis.	

The following connectors should be used on the add-in RAID controllers:

The following connectors should be used on the backplanes/midplanes:

Intel [®] Server System/Chassis	Connector
Intel [®] Server System SR1500AL / Intel [®] Server Chassis SR1500 with passive backplane	HBA CONN on backplane, 3-pin, white
Intel [®] Server System SR1550AL / Intel [®] Server Chassis SR1550 with passive midplane	HBA CONN on midplane, 3-pin, white
Intel [®] Server System SR2500ALBRP / Intel [®] Server Chassis SR2500 with passive midplane	HBA CONN on midplane, 3-pin, white
Intel [®] Server System SR2520SAX (passive backplane)	Add-in RAID cards not supported. Only the onboard controller can be used.

IMPORTANT: No cable for fault LED control is needed if using the onboard SAS or SATA RAID controller. No cable for fault LED control is needed if using an active backplane / midplane. In these configurations, connecting 3-pin I2C cable to backplane / midplane may cause unexpected system behavior.