

Intel® RAID Converter Board RCVT8788



Converts Internal 8087 Ports to External 8088 Ports

Product Overview:

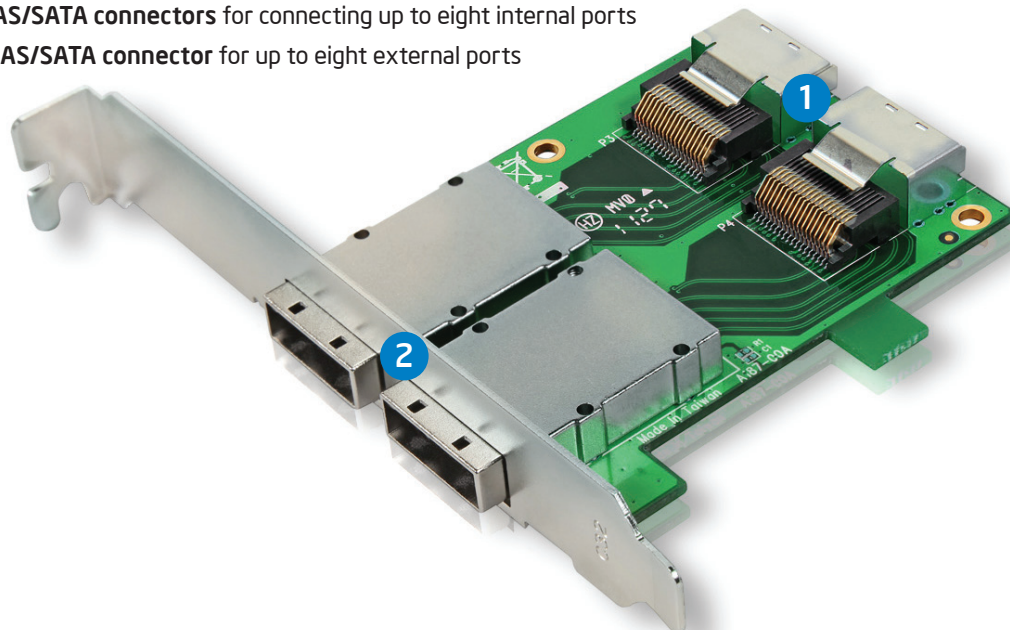
The Intel® RAID Converter Board RCVT8788 allows for internal SAS or SATA ports to be extended outside the system. By adding the RCVT8788 and the appropriate cable(s)**, ports embedded in a motherboard or an add-in RAID product that are normally limited to Direct Attach Storage (DAS) can be made available to external storage components. For example, the Intel RCVT8788 can be combined with an 8 port Intel® Integrated RAID Module such as the Intel® RMS25CB080 to connect to a JBOD, in order to create an inexpensive RBOD.

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

**Refer to Table 1 of this document for a variety of cable options available from Intel

Features:

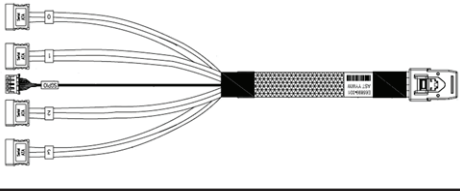

1. **Two Internal 8087 SAS/SATA connectors** for connecting up to eight internal ports
2. **Two External 8088 SAS/SATA connector** for up to eight external ports



Key Advantages:

- **System Design Flexibility** - Allows for internal storage ports to be extended to storage outside of the server.
- **Low Cost Alternative** - RAID or SAS cards with external ports are often associated with a cost premium that may exceed the cost of using this converter board.
- **High Quality** - Tested with Intel® RAID Controllers and Intel® Integrated RAID modules to help assure high reliability and EMC compliance.
- **Full Height and Low Profile Brackets** - Inventory management is simplified since brackets do not need to be stocked separately. Plus, specifying bracket type is not required at purchase.

Table 1: Cable Guidance

| ITEM | SAS/SATA PORT TYPE ON INITIATOR (SUCH AS A RAID CONTROLLER) | CABLE LENGTH | INTEL CABLE KIT OPTIONS** | SAS/SATA CABLE SHAPE |
|------|---|--------------|--|---|
| 1 | 4 X SATA STYLE 7-PIN | VARIOUS | SEVERAL INTEL SERVER BOARDS AND SYSTEMS SHIP WITH THIS STYLE CABLE, BUT A KIT WITH 7-PIN CONNECTORS ON THE INITIATOR SIDE IS NOT SOLD SEPARATELY |  |
| 2 | 4 PORT 8087 MINI-SAS | 185MM | AXXCBL185MSMS |  |
| | | 585MM | AXXCBL585MSMR | |
| | | 650MM | AXXCBL650MSMS | |
| | | 770MM | AXXCBL770MSMR | |

** MR in the product code indicates a 90-degree (right) angle Mini-SAS connector

Technical Specifications:

| | |
|------------------------------|---|
| Intel Order Code | AXXRCVT8788 |
| Compatibility | Compatible with Intel® RAID products and many third party SAS products. The use of Intel cables is recommended for connecting internal SAS or SATA ports to this converter board. See table 1 for a partial list of cables. |
| Drive Types | Connectivity using SAS allows for either SAS or SATA drives. Connectivity using SATA allows for the use of SATA drives. SAS also allows for a greater distance between the initiator ports and target devices. |
| Connectors | Two 8087 Mini-SAS internal connector and one dual port 8088 external connector. |
| PCI Interface | This can be mounted in a standard PCI slot. PCI signaling or power is not required. |
| Form Factor | Low profile and MD2 compliant. |
| Data Transfer Rates | Up to 6Gb/s per port depending on capability of the SAS or RAID product connected. |
| Operating Temperature | Maximum ambient: 65°C. |
| Standard Warranty | 3 years, AWR option. |

For more information on how to make the Intel® RAID Converter Board RCVT8788 part of a successful storage solution, visit: www.intel.com/go/RAID

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