

Intel® RAID RS2, RS25, RMS2, and RMS25 Family Products featuring 6Gb/s SAS and SATA Capability

Product List and Configuration Guide

A reference guide to assist customers in ordering RAID products.



Revision 4.0

March 2013

Enterprise Platforms and Services Marketing

Revision History

November 11 – Rev0.5 – First revision.

November 11 – Rev0.7 – Added chip model for each controller and module. Added cable information.

December 11 – Rev1.0 – Initial public release.

July 12 – Rev2.0 – Added RS25FB044 and cable information.

November 12 – Rev3.0 – Updated RAID product pictures and compatible matrix table.

March 13 – Rev4.0 – Added RCS25ZB040, RCS25ZB040LX, and AXXRMFBU3.

Disclaimer

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL[®] PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

Intel products are not intended for use in medical, life saving, life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel server boards, server chassis, and processors may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel, Intel Xeon, Pentium, and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

*Other names and brands may be claimed as the property of others.

Copyright © 2013, Intel Corporation

REVISION HISTORY..... 2

CONTENTS..... 3

RAID PRODUCT ORDER CODES 4

 1.1 PRODUCT DESCRIPTIONS – OVERVIEW 4

 1.2 INTEL® RAID CONTROLLER ORDER CODES..... 5

 1.3 INTEL® INTEGRATED RAID ORDER CODES 10

 1.4 INTEL® RAID EXPANDER ORDER CODES..... 14

ACCESSORY ORDER CODES 15

 1.5 BACKUP UNITS 15

 1.6 RAID PREMIUM FEATURE KEY 16

 1.7 CABLES..... 16

RAID SKU COMPATIBLE MATRIX..... 19

 1.8 RAID PRODUCT COMPATIBLE MATRIX..... 19

 1.9 EXPANDER COMPATIBLE MATRIX..... 27

1.1 Product Descriptions - Overview

Intel® 6Gb RAID Products. Including RAID controllers, modules, and expanders. Customer orders an RAID solution validated across Intel® Server Product line and perhaps a cable (see details below).

Intel's 6Gb/s SAS RAID cards have product names per the convention RS2XX##^ where:

- R = RAID (RM is used for RAID Modules and RE is used for RAID Expanders)
- S = SAS ("T" is used for SATA)
- 2 = specification generation (25 is the second generation of SAS 2 products)
- XX = two letters representing the Intel code name (For example, DB = Delray Beach)
- ## = internal port count
- ^ = external port count

SAS/SATA cables are included in RS2 family products. However, cables are not included in RS25, RMS25, or RMT3 generation products. For these products, Intel has made two accessory SKUs available.

SAS expanders may be shipped with cables depending on the SKU. Check below for details on cable inclusion information. Cables shipped with these products may not support every chassis/backplane configuration. Customers need to verify the type of cable needed. If the product is not shipped with the correct cable, customers can source a third-party cable or order the correct Intel cable kit. Check the Intel website or contact local Intel sales representative for additional information.

Batteries and Maintenance Free Backup Units are shipped as a kit which includes required cables and a retention bracket for remote mounting in an Intel chassis.

1.2 Intel® RAID Controller Order Codes






Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p>RCS25ZB040 924659 00735858254625</p>	<p>Intel® RAID SSD Cache Controller RCS25ZB040 LSI* SAS2208 ROC 6Gb/s SAS/SATA, x8 PCIe 3.0 4 internal ports MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 Cables are not included</p> <p>RCS25ZB040 Compatible Matrix</p>	<p>5</p>
	<p>RCS25ZB040LX 924664 00735858254632</p>	<p>Intel® RAID SSD Cache Controller RCS25ZB040LX LSI* SAS2208 ROC 6Gb/s SAS/SATA, x8 PCIe 3.0 4 internal ports MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 Cables are not included</p> <p>RCS25ZB040LX Compatible Matrix</p>	<p>5</p>
	<p>RS25SB008 919569 00735858228633</p>	<p>Intel® RAID Controller RS25SB008 LSI* SAS2208 ROC 6Gb/s SAS/SATA, x8 PCIe 3.0 8 external ports MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 Intel® RAID Backup SuperCap2 Module Cables are not included</p> <p>RS25SB008 Compatible Matrix</p>	<p>5</p>
	<p>RS25AB080 919568 00735858228626</p>	<p>Intel® RAID Controller RS25AB080 LSI* SAS2208 ROC 6Gb/s SAS/SATA, x8 PCIe 3.0 8 internal ports MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 Intel® RAID Backup SuperCap2 Module Cables are not included</p> <p>RS25AB080 Compatible Matrix</p>	<p>5</p>
	<p>RS25FB044 921700 00735858247665</p>	<p>Intel® RAID Controller RS25FB044 LSI* SAS2308 Processor Chip 6Gb/s SAS/SATA, x8 PCIe 3.0 4 external ports, 4 internal ports MD2 Low Profile, half-length form factor Support RAID 0,1,10,1E Cables are not included</p> <p>RS25FB044 Compatible Matrix</p>	<p>5</p>






Image	Product Code MM UPC	Description	Minimum Order Quantity
	RS25NB008 919567 00735858222594	Intel® RAID Controller RS25NB008 LSI* SAS2208 ROC 6Gb/s SAS/SATA, x8 PCIe 3.0 8 external ports 1GB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included RS25NB008 Compatible Matrix	5
	RS2VB080 911120 00735858218047	Intel® RAID Controller RS2VB080 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Two MS to 7pin SATA cables included RS2VB080 Compatible Matrix	5
	RS2VB040 911498 00735858218054	Intel® RAID Controller RS2VB040 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 4 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported One MS to 7pin SATA cable included RS2VB040 Compatible Matrix	5
	RS25GB008 919566 00735858219877	Intel® RAID Controller RS25GB008 LSI* SAS2308 Processor Chip 6Gb/s SAS/SATA, x8 PCIe 3.0 8 external ports No embedded memory MD2 Low Profile, half-length form factor Support IT mode only Cables are not included RS25GB008 Compatible Matrix	5
	RS25DB080 919570 00735858219884	Intel® RAID Controller RS25DB080 LSI* SAS2208 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0/3.0 8 internal ports 1GB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included RS25DB080 Compatible Matrix	5




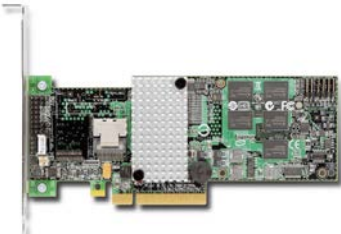

Image	Product Code MM UPC	Description	Minimum Order Quantity
	RT3WB080 911121 00735858217859	Intel® RAID Controller RT3WB080 LSI* SAS2108 ROC 6Gb/s SATA, x8 PCIe 2.0 8 internal ports 256MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included RT3WB080 Compatible Matrix	5
	RS2SG244 904995 00735858213042	Intel® RAID Controller RS2SG244 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 24 internal ports and 4 external ports 512MB embedded memory Full Height, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported MS to MS cables included RS2SG244 Compatible Matrix	1
	RS2WG160 904994 00735858213035	Intel® RAID Controller RS2WG160 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 16 internal ports 512MB embedded memory Full Height, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported MS to MS cables included RS2WG160 Compatible Matrix	1
	RS2BL040 903494 00735858211239	Intel® RAID Controller RS2BL040 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 4 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported One MS to 7pin SATA cable included RS2BL040 Compatible Matrix	5
	RS2BL080 903493 00735858210140	Intel® RAID Controller RS2BL080 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Two MS to 7pin SATA cables included RS2BL080 Compatible Matrix	5








Image	Product Code MM UPC	Description	Minimum Order Quantity
	RS2BL080DE 903497 00735858211246	<p>Intel® RAID Controller RS2BL080 “DE” (RS2BL080 supporting Disk Encryption) LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 Provides key and management for Self-Encrypting Disks RAID Premium Feature Key supported Two MS to 7pin SATA cables included</p> <p>RS2BL080DE Compatible Matrix</p>	5
	RS2BL080SNGL 907739 00735858214742	<p>Intel® RAID Controller RS2BL080 “SNGL” (Single pack with distributor MOQ of 1 unite) LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Two MS to 7pin SATA cables included</p> <p>RS2BL080SNGL Compatible Matrix</p>	1
	RS2MB044 904993 00735858213028	<p>Intel® RAID Controller RS2MB044 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 4 internal ports and 4 external ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported One MS to 7pin SATA cable included</p> <p>RS2MB044 Compatible Matrix</p>	5
	RS2PI008 903492 00735858211222	<p>Intel® RAID Controller RS2PI008 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 external ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included</p> <p>RS2PI008 Compatible Matrix</p>	5

Image	Product Code MM UPC	Description	Minimum Order Quantity
	RS2PI008DE 904919 00735858212878	Intel® RAID Controller RS2PI008 “DE” (RS2PI008 supporting Disk Encryption) LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 external ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included RS2PI008DE Compatible Matrix	5
	RS2WC080 903495 00735858211215	Intel® RAID Controller RS2WC080 LSI* SAS2008 Processor Chip 6Gb/s SAS/SATA, x8 PCIe 2.0 8 internal ports 2MB Context, no BBU option MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,50 Two MS to 7pin SATA cables included RS2WC080 Compatible Matrix	5
	RS2WC040 903496 00735858211253	Intel® RAID Controller RS2WC040 LSI* SAS2008 Processor Chip 6Gb/s SAS/SATA, x8 PCIe 2.0 4 internal ports 2MB Context, no BBU option MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,50 One MS to 7pin SATA cable included RS2WC040 Compatible Matrix	5

1.3 Intel® Integrated RAID Order Codes



Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p>RMS25PB080 924868 00735858238946</p>	<p>Intel® Integrated RAID Module RMS25PB080 LSI* SAS2208 ROC 6Gb/s SAS/SATA x8 PCIe 3.0 8 internal ports 1GB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included</p> <p>RMS25PB080 Compatible Matrix</p>	<p>5</p>
	<p>RMS25PB040 924869 00735858238953</p>	<p>Intel® Integrated RAID Module RMS25PB040 LSI* SAS2208 ROC 6Gb/s SAS/SATA x8 PCIe 3.0 4 internal ports 1GB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included</p> <p>RMS25PB040 Compatible Matrix</p>	<p>5</p>
	<p>RMT3PB080 924870 00735858238960</p>	<p>Intel® Integrated RAID Module RMT3PB080 LSI* SAS2208 ROC 6Gb/s SATA x8 PCIe 3.0 8 internal ports 512MB embedded memory MD2 Low Profile, half-length form factor Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included</p> <p>RMT3PB080 Compatible Matrix</p>	<p>5</p>
	<p>RMS25CB080 924871 00735858238977</p>	<p>Intel® Integrated RAID Module RMS25CB080 LSI* SAS2208 ROC 6Gb/s SAS/SATA x8 PCIe 3.0 8 internal ports 1GB embedded memory Require one 80-pins on-board module connector Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included</p> <p>RMS25CB080 Compatible Matrix</p>	<p>5</p>











Image	Product Code MM UPC	Description	Minimum Order Quantity
	RMS25CB040 924872 00735858238984	Intel® Integrated RAID Module RMS25CB040 LSI* SAS2208 ROC 6Gb/s SAS/SATA x8 PCIe 3.0 4 internal ports 1GB embedded memory Require one 80-pins on-board module connector Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included RMS25CB040 Compatible Matrix	5
	RMT3CB080 924873 00735858238991	Intel® Integrated RAID Module RMT3CB080 LSI* SAS2208 ROC 6Gb/s SAS/SATA x8 PCIe 3.0 4 internal ports 512MB embedded memory Require one 80-pins on-board module connector Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Cables are not included RMT3CB080 Compatible Matrix	5
	RMS25KB080 917089 (being updated to 924454) 00735858244831	Intel® Integrated RAID Module RMS25KB080 LSI* SAS2308 Processor Chip 6Gb/s SAS/SATA x8 PCIe 3.0 support with MM# 924454 8 internal ports 32KB Context, no BBU option MD2 Low Profile, half-length form factor Support RAID 0,1,10,1E Cables are not included RMS25KB080 Compatible Matrix	5
	RMS25KB040 917090 (being updated to 924455) 00735858239035	Intel® Integrated RAID Module RMS25KB040 LSI* SAS2308 Processor Chip 6Gb/s SAS/SATA x8 PCIe 3.0 support with MM# 924455 4 internal ports 32KB Context, no BBU option MD2 Low Profile, half-length form factor Support RAID 0,1,10,1E Cables are not included RMS25KB040 Compatible Matrix	5






Image	Product Code MM UPC	Description	Minimum Order Quantity
	RMS25JB080 917087 (being updated to 924452) 00735858239004	Intel® Integrated RAID Module RMS25JB080 LSI* SAS2308 Processor Chip 6Gb/s SAS/SATA x8 PCIe 3.0 support with MM# 924452 8 internal ports 32KB Context, no BBU option Require one 80-pins on-board module connector Support RAID 0,1,10,1E Cables are not included RMS25JB080 Compatible Matrix	5
	RMS25JB040 917088 (being updated to 924453) 00735858239011	Intel® Integrated RAID Module RMS25JB040 LSI* SAS2308 Processor Chip 6Gb/s SAS/SATA x8 PCIe 3.0 support with MM# 924453 4 internal ports 32KB Context, no BBU option Require one 80-pins on-board module connector Support RAID 0,1,10,1E Cables are not included RMS25JB040 Compatible Matrix	5
	AXXRMS2MH080 907847 00735858215619	Intel® Integrated RAID Module RMS2MH080 LSI* SAS2108 ROC 6Gb/s SAS/SATA, x8 PCIe 2.0 8 internal ports 512MB embedded memory Require two 50-pins on-board module connector Support RAID 0,1,10,5,6,50,60 RAID Premium Feature Key supported Two MS to 7pin SATA cables included RMS2MH080 Compatible Matrix	5
	AXXRMS2AF080 907853 00735858215732	Intel® Integrated RAID Module RMS2AF080 LSI* SAS2008 Processor Chip 6Gb/s SAS/SATA, x4 PCIe 2.0 8 internal ports 2MB Context, no BBU option Require one 50-pins on-board module connector Support RAID 0,1,10,5,50 Eight SATA cables included RMS2AF080 Compatible Matrix	5
	AXXRMS2AF040 907854 00735858215756	Intel® Integrated RAID Module RMS2AF040 LSI* SAS2008 Processor Chip 6Gb/s SAS/SATA, x4 PCIe 2.0 4 internal ports 2MB Context, no BBU option Require one 50-pins on-board module connector Support RAID 0,1,10,5,50 Four SATA cables included RMS2AF040 Compatible Matrix	5

Image	Product Code MM UPC	Description	Minimum Order Quantity
	AXXRMS2LL080 907855 00735858215749	<p>Intel® Integrated RAID Module RMS2LL080 LSI* SAS2008 Processor Chip 6Gb/s SAS/SATA, x4 PCIe 2.0 8 internal ports 2MB Context, no BBU option Require one 50-pins on-board module connector Support RAID 0,1,1E Eight SATA cables included</p> <p>RMS2LL080 Compatible Matrix</p>	5
	AXXRMS2LL040 907856 00735858215763	<p>Intel® Integrated RAID Module RMS2LL040 LSI* SAS2008 Processor Chip 6Gb/s SAS/SATA, x4 PCIe 2.0 8 internal ports 2MB Context, no BBU option Require one 50-pins on-board module connector Support RAID 0,1,1E Four SATA cables included</p> <p>RMS2LL040 Compatible Matrix</p>	5





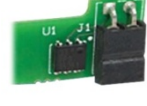

1.4 Intel® RAID Expander Order Codes

Image	Product Code MM UPC	Description	Minimum Order Quantity
	<p>RES2CV360 918935 00735858241168</p>	<p>Intel® RAID Expander RES2CV360 6Gb/s SAS/SATA 4 ports in, 32 ports out or 8 ports in, 28 ports out Powered source: standard 4-pin connector from power supply No cables included</p> <p>RES2CV360 Compatible Matrix</p>	5
	<p>RES2CV240 918934 00735858241175</p>	<p>Intel® RAID Expander RES2CV240 6Gb/s SAS/SATA 4 ports in, 20 ports out or 8 ports in, 16 ports out Powered source: standard 4-pin connector from power supply No cables included</p> <p>RES2CV240 Compatible Matrix</p>	5
	<p>RES2SV240 908137 00735858216289</p>	<p>Intel® RAID Expander RES2SV240 6Gb/s SAS/SATA 4 ports in, 20 ports out or 8 ports in, 16 ports out MD2 Low Profile, half-length form factor Powered source: either PCIe Slot or standard 4-pin connector from power supply Six MS to MS cables included</p> <p>RES2SV240 Compatible Matrix</p>	5
	<p>RES2SV240NC 915431 00735858221375</p>	<p>Intel® RAID Expander RES2SV240 “NC” (RES2SV240 shipped without cables) 6Gb/s SAS/SATA 4 ports in, 20 ports out or 8 ports in, 16 ports out MD2 Low Profile, half-length form factor Powered source: either PCIe Slot or standard 4-pin connector from power supply No cables included</p> <p>RES2SV240NC Compatible Matrix</p>	5




1.5 Backup Units









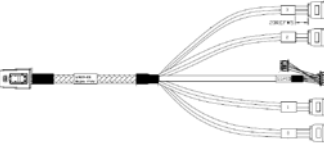
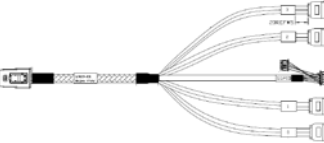
Image	Product Code MM UPC	Description	Minimum Order Quantity
	AXXRMFBU3 924674 00735858254649	Intel® RAID Maintenance Free Backup Unit AXXRMFBU3 for use with Intel® RAID SSD Cache Controller RCS25ZB040 and RCS25ZB040LX	5
	AXXRMFBU2 926341 00735858244541	Intel® RAID Maintenance Free Backup Unit AXXRMFBU2 for use with Intel® Integrated RAID Module	5
	AXXRSBBU9919738 00735858220286	Intel® RAID Smart Battery Backup module for use with Intel® Integrated Server RAID	5
	AXXRSBBU8 909893 00735858217620	Intel® RAID Smart Battery Backup module for use with Intel® Integrated Server RAID	5
	AXXRSBBU7 903148 00735858210676	Intel® RAID Smart Battery Backup module for use with Intel® Integrated Server RAID	5

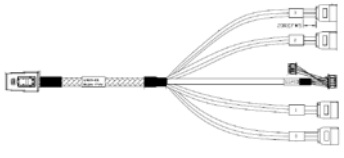
1.6 RAID Premium Feature Key

Image	Product Code MM UPC	Description	Minimum Order Quantity
	AXXRPFKSNSh 907051 00735858214377	Intel® RAID Rapid Recovery Snapshot See compatibility matrix below	5
	AXXRPFKDE 907050 00735858214360	Intel® RAID Drive Encryption Management See compatibility matrix below	5
	AXXRPFKSSD 918399 00735858214353	Intel® RAID SSD Cache with Fast Path *I/O See compatibility matrix below	5
	AXXRPFKSNSh2 915318 00735858221481	Intel® RAID Rapid Recovery Snapshot See compatibility matrix below	5
	AXXRPFKDE2 915317 00735858221474	Intel® RAID Drive Encryption Management See compatibility matrix below	5
	AXXRPFKSSD2 919499 00735858221467	Intel® RAID SSD Cache with Fast Path *I/O See compatibility matrix below	5

1.7 Cables

Image NOTE: In the following images, straight connectors and right-angel connectors are not clearly shown.	Product Code MM UPC	Description	Minimum Order Quantity
	AXXCBL165MSMS 921284 00735858245692	Each set provides two 165mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.	1
	AXXCBL185MSMS 921285 00735858245708	Each set provides two 185mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.	1
	AXXCBL245MSMS 921286 00735858245715	Each set provides two 245mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.	1

<p align="center">Image</p> <p>NOTE: In the following images, straight connectors and right-angel connectors are not clearly shown.</p>	<p align="center">Product Code MM UPC</p>	<p align="center">Description</p>	<p align="center">Minimum Order Quantity</p>
	<p>AXXCBL500MSMS 921055 00735858245289</p>	<p>Each set provides two 500mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL600MSMS 921048 00735858245272</p>	<p>Each set provides two 600mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL650MSMS 918376 00735858224444</p>	<p>Each set provides two 650mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">5</p>
	<p>AXXCBL730MSMS 921049 00735858245340</p>	<p>Each set provides two 730mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL585MSMR 921047 00735858245265</p>	<p>Each set provides two 585mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL770MSMR 921044 00735858245241</p>	<p>Each set provides two 770mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL550MRMR 921043 00735858245227</p>	<p>Each set provides two 550mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL730MRMR 921045 00735858245234</p>	<p>Each set provides two 730mm cables with four port mini-SAS 8087 connectors on both ends. The 8-pin side-band SGPIO physical connection is embedded.</p>	<p align="center">1</p>
	<p>AXXCBL740MS7P 914239 00735858220743</p>	<p>Each set provides two 740mm cables with a four port Mini-SAS 8087 connector on one end and four 7-pin SATA style pins on the other end. The 8-pin side-band SGPIO cable with a "Y type" header (one with 4-pin and one with 5-pin) is included.</p>	<p align="center">5</p>
	<p>AXXCBL850MS7R 921114 00735858245371</p>	<p>Each set provides two 850mm cables with a four port Mini-SAS 8087 connector on one end and four 7-pin SATA style pins on the other end. The 8-pin side-band SGPIO cable with a "Y type" header (one with 4-pin and one with 5-pin) is included.</p>	<p align="center">1</p>

<p align="center">Image</p> <p>NOTE: In the following images, straight connectors and right-angel connectors are not clearly shown.</p>	<p align="center">Product Code MM UPC</p>	<p align="center">Description</p>	<p align="center">Minimum Order Quantity</p>
	<p align="center">AXXCBL1030MR7R 921079 00735858245258</p>	<p>Each set provides two 1030mm cables with a four port Mini-SAS 8087 connector on one end and four 7-pin SATA style pins on the other end. The 8-pin side-band SGPIO cable with a “Y type” header (one with 4-pin and one with 5-pin) is included.</p>	<p align="center">1</p>

Note: For more cabling information, refer to *C200 C600 Enclosure Management Cabling Guide* available at <http://www.intel.com/support>.

RAID SKU COMPATIBLE MATRIX

1.8 RAID Product Compatible Matrix

Note: For the latest support information, refer to *Tested Hardware and Operating System List (THOL)* of each RAID product available at <http://www.intel.com/support>.

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RCS25ZB040 RCS25ZB040LX	S2600GZ/GL S2600CO S2400SC S5520UR S5500WB S5500BC S5520HC / S5500HCV / S5520SC S3420GP S1200BTL / S1200BTS	TBD	AXXRPFKSNSH2 AXXRPFKDE2 AXXRPFKSSD2	AXXRMFBU3
RS25SB008	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS	For external storage	AXXRPFKSNSH2 AXXRPFKDE2 AXXRPFKSSD2	Shipped with Intel® RAID Backup SuperCap2 Module

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RS25AB080	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS	SC5650SCWS SR1630BC SC5650BCDP SR1690WB SR1695WB SR2612UR SR1630GP SR1630HGP SR1600UR SR2600UR SR2625UR SR1625UR SC5650HCBRP	AXXRPFKSNSH2 AXXRPFKDE2 AXXRPFKSSD2	Shipped with Intel® RAID Backup SuperCap2 Module
RS25FB044	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S1200BTL S1200BTS S3420GP S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S5000PSL S5000XSL S5000XVN S5000VSA	TBD	NA	NA

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RS25NB008	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS	For external storage	AXXRPFKSNSH2 AXXRPFKDE2 AXXRPFKSSD2	AXXRSBBU9
RS2VB080 RS2VB040	S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS	SR1625URR SR2600URBRPR SR2625URBRPR SR2600URSATAR	AXXRPFKSNSH AXXRPFKDE AXXRPFKSSD	Shipped with Intel® Maintenance Free Backup Unit
RS25GB008	S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS	SC5650SCWS SR1630BC SC5650BCDP SR1690WB SR1695WB SR2612UR SR1630GP SR1630HGP SR1600UR SR2600UR SR2625UR SR1625UR SC5650HCBRP	NA	NA

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RS25DB080	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP S1200BTL S1200BTS	SC5650SCWS SR1630BC SC5650BCDP SR1690WB SR1695WB SR2612UR SR1630GP SR1630HGP SR1600UR SR2600UR SR2625UR SR1625UR SC5650HCBRP	AXXRPFKSNH2 AXXRPFKDE2 AXXRPFKSSD2	AXXRSBBU9
RT3WB080	S5520UR S5500WB S5520HC S5520HCT S5500HCV S5520SC S5500BC S3420GP S1200BTL S1200BTS	SC5650SCWS SR1630BC SC5650BCDP SR1690WB SR1695WB SR2612UR SR1630GP SR1630HGP SR1600UR SR2600UR SR2625UR SR1625UR SC5650HCBRP	AXXRPFKSNH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8
RS2SG244	S5000PSL S5000XSL S5000XVN S5000VSA S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP	SC5650HCBRP SC5650SCWS	AXXRPFKSNH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RS2WG160	S5000PSL S5000XSL S5000XVN S5000VSA S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S3420GP	SC5650HCBRP SC5650SCWS	AXXRPFKNSH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8
RS2BL040	S5000PSL S5000XSL S5000XVN S5000VSA S5000PAL S5000XAL S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S7000FC4UR S3420GP S1200BTL S1200BTS	SR1690WBR SR1695WB SC5650HCBRP SC5650SCWS SR2612UR	AXXRPFKNSH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8
RS2BL080 RS2BL080DE RS2BL080SNGL	S5000PSL S5000XSL S5000XVN S5000VSA S5000PAL S5000XAL S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S7000FC4UR S3420GP S3200SH S1200BTL S1200BTS	SR1690WBR SR1695WB SC5650HCBRP SC5650SCWS SR1600UR SR1600URHS SR1625UR SR1625URSAS SR2600URBRP SR2600URLX SR2600URSATA SR2625URBRP SR2625URLX SR2625URLXT SR2612UR	AXXRPFKNSH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RS2MB044	S5000PSL S5000XSL S5000XVN S5000VSA S5000PAL S5000XAL S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S7000FC4UR S3420GP S3200SH S1200BTL S1200BTS	SR1690WBR SR1695WB SC5650HCBRP SC5650SCWS SR2612UR	AXXRPFKNSH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8
RS2PI008 RS2PI008DE	S5000PSL S5000XSL S5000XVN S5000VSA S5000PAL S5000XAL S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S7000FC4UR S3420GP S1200BTL S1200BTS	For external storage	AXXRPFKNSH AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8
RS2WC080 RS2WC040	S5000PSL S5000XSL S5000XVN S5000VSA S5000PAL S5000XAL S5520UR S5500WB S5500BC S5520HC S5500HCV S5520SC S7000FC4UR S3420GP S3200SH	SR1690WBR SR1695WB SC5650HCBRP SC5650SCWS	NA	NA

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RMS25PB080 RMS25PB040 RMT3PB080 (Module)	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S1200BTLRM	P4000CP Product Family P4000GP Product Family P4000IP Product Family P4000SC Product Family R2000SC Product Family R1000EP Product Family R1000GZ/GL Product family R2000GZ/GL Product family R1000BB Product family R2000BB Product family R2000IP Product Family	AXXRPFKSN2 AXXRPFKDE2 AXXRPFKSSD2	AXXRSBBU9 AXXRMFBU2
RMS25CB080 RMS25CB040 RMT3CB080 (Module)	S1400SP Product Family S2400EP Product Family S2400GP Product Family S2600IP Product Family W2600CR Product Family S2600GZ Product Family S2600GL Product Family	P4000GP Product Family P4000IP Product Family R1000EP Product Family R1000GZ/GL Product family R2000GZ/GL Product family R2000IP Product Family	AXXRPFKSN2 AXXRPFKDE2 AXXRPFKSSD2	AXXRSBBU9 AXXRMFBU2
RMS25KB080 RMS25KB040 (Module)	S1400FP Product Family S1400SP Product Family S2400EP Product Family S2400GP Product Family S2400SC Product Family S2600CO Product Family S2600CP Product Family S2600GL Product Family S2600GZ Product Family S2600IP Product Family S2400BB Product Family W2600CR Product Family S1200BTLRM	P4000CP Product Family P4000GP Product Family P4000IP Product Family P4000SC Product Family R2000SC Product Family R1000EP Product Family R1000GZ/GL Product family R2000GZ/GL Product family R1000BB Product family R2000BB Product family R2000IP Product Family	NA	NA
RMS25JB080 RMS25JB040 (Module)	S1400SP Product Family S2400EP Product Family S2400GP Product Family S2600IP Product Family W2600CR Product Family S2600GZ Product Family S2600GL Product Family	P4000GP Product Family P4000IP Product Family R1000EP Product Family R1000GZ/GL Product family R2000GZ/GL Product family R2000IP Product Family	NA	NA
RMS2MH080 (Module)	S5520UR S5500WB	SR1600UR SR1600URHS SR1625UR SR1625URSAS SR2600URBRP SR2600URLX SR2600URSATA SR2625URBRP SR2625URLX SR2625URLXT	AXXRPFKSN2 AXXRPFKDE AXXRPFKSSD	AXXRSBBU7 AXXRSBBU8

Product Code	Supported Board	Supported System	Supported RAID Premium Feature Key	Supported Backup Unit
RMS2AF080 RMS2AF040 (Module)	S5520UR S5500WB S5520HC/HCT S5520HCV S5520SC S3420GP S1200BTL	SR1690WBR SR1695WB SR1600UR SR1600URHS SR1625UR SR1625URSAS SR2600URBRP SR2600URLX SR2600URSATA SR2625URBRP SR2625URLX SR2625URLXT SR2612UR	NA	NA
RMS2LL080 RMS2LL040 (Module)	S5520UR S5500WB S5520HC/HCT S5520HCV S5520SC S3420GP S1200BTL	SR1690WBR SR1695WB SR1600UR SR1600URHS SR1625UR SR1625URSAS SR2600URBRP SR2600URLX SR2600URSATA SR2625URBRP SR2625URLX SR2625URLXT SR2612UR SR1630HGPRX SR1695GPRX	NA	NA

1.9 Expander Compatible Matrix

Product Code	Supported RAID Controller
RES2SV240 RES2SV240NC	RCS25ZB040 RCS25ZB040LX RS25AB080 RS25FB044 RS25NB008 RS2VB080 RS2VB040 RS25DB080 RT3WB080 RMS2MH080 RMS2AF040 RMS2LL040 RS2BL080 RS2BL040 RS2BL080DE RS2MB044 RS2WC080 RS2WC040 SROMBSASMR (3Gb RAID module) RMS25PB080 RMS25PB040 RMT3PB080 RMS25CB080 RMS25CB040 RMT3CB080 RMS25KB080 RMS25KB040 RMS25JB080 RMS25JB040
RES2CV240 RES2CV360	RCS25ZB040 RCS25ZB040LX RS25AB080 RS25FB044 RS25NB008 RS2VB080 RS2VB040 RS25DB080 RT3WB080 RS2BL080 RS2BL040 RS2BL080DE RS2MB044 RS2WC080 RS2WC040 RMS25PB080 RMS25PB040 RMT3PB080 RMS25CB080 RMS25CB040 RMT3CB080 RMS25KB080 RMS25KB040 RMS25JB080 RMS25JB040