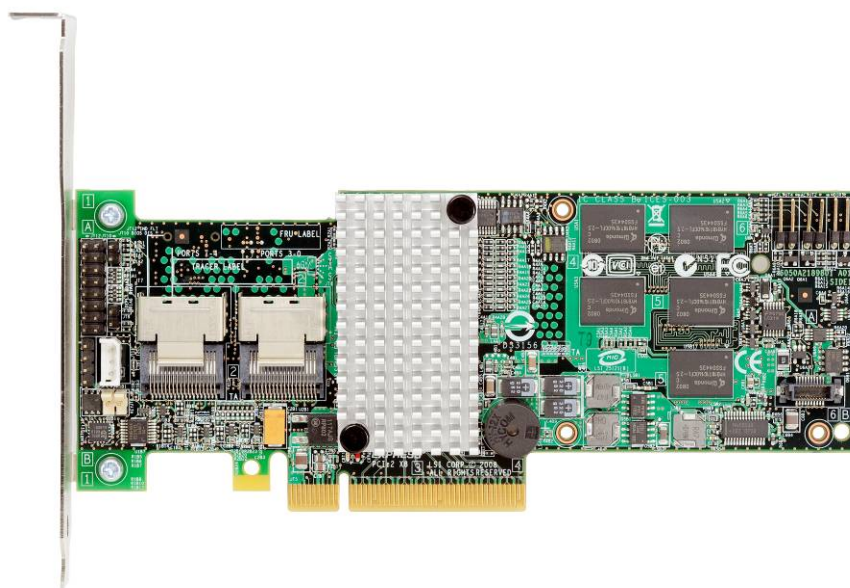# Intel® RAID Controllers RS2BL080 and RS2BL040 Configuration Guide

All Items Subject to Change

A reference guide to assist customers in ordering components to install RAID products including the Intel® RAID Controller RS2BL080 and Intel® RAID Controller RS2BL040

Revision 1.0

July 2009

Enterprise Platforms and Services Marketing

1. Table of Contents

2.   Revision History

Date	Rev	Modification
June 29, 2009	0.8	Internal Use Only Version
July 17, 2009	1	First published version

3.   Legal Disclaimer

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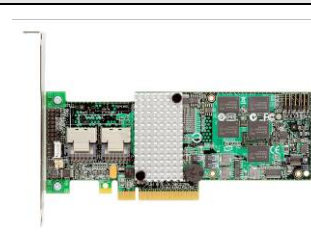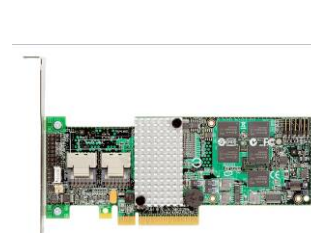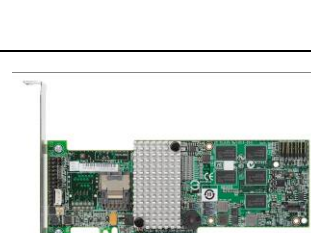
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4. RAID Controller and Accessory Ordering Information

4.1 Table 1: RAID Controllers

Image	MM / UPC	Product Code	Description of Product	Qty Per	Min Order
	903493 00735858 210140	RS2BL080	Intel® RAID Controller RS2BL080 (Big Laurel 8) - 6Gb/s SAS, 3Gb/S SAS/SATA, x8 PCIe 2.0, 8 internal ports, 512MB embedded memory, MD2 Low Profile, half length form factor. Includes 2 internal cables, Quick Start Users Guide, and CD ROM with technical documentation and software.	5	5
	903497	RS2BL080DE	Intel® RAID Controller RS2BL080 "DE" (Big Laurel 8 supporting Disk Encryption) - 6Gb/s SAS, 3Gb/S SAS/SATA, x8 PCIe 2.0, 8 internal ports, 512MB embedded memory, MD2 Low Profile, half length form factor. Provides key and management for Self-Encrypting Disks. Includes 2 internal cables, Quick Start Users Guide, and CD ROM with technical documentation and software.	5	5
	903494	RS2BL040	Intel® RAID Controller RS2BL040 (Big Laurel 4) - 6Gb/s SAS, 3Gb/S SAS/SATA, x8 PCIe 2.0, 4 internal ports, 512MB embedded memory, MD2 Low Profile, half length form factor. Includes 2 internal cables, Quick Start Users Guide, and CD ROM with technical documentation and software.	5	5

4.2 Table 2: Accessories

Image	MM / UPC	Product Code	Description of Product	Qty Per	Min Order
TBD	903148 00735858 210676	AXXRSBBU7	Intel® RAID Smart Battery AXXRSBBU7, optional battery back up for use with Intel's 6G SAS RAID add-in cards. Provides 48 hours of cache data retention. Includes remote mounting kit.	5	5
	903767	AXXRSBBU7D10	Intel® RAID Smart Battery AXXRSBBU7 direct attach 10 pack includes 10 BBU and hardware for direct mounting 10 units. Provides optional battery backup for up to 72 hours of cache data retention.	10	10

5.   Naming Convention

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

R = RAID

S = SAS T = SATA

2 = specification generation

XX = code name

= internal port count

^ = external port count

The initial set of 6Gb/s Intel RAID controllers, launching during the 2H of 2009 and 1H of 2010, are expected to be as follows;

RS2SG244 "Sierra Grande"

RS2WG160 "Walnut Grove"

RS2MB044 "Mobile Bay"

RS2PI008 "Puget Island"

RS2BL080 "Big Laurel 8"

RS2BL040 "Big Laurel 4"

RS2WC080 "Whale Cove 8"

RS2WC040 "Whale Cove 4"

6.   Solution Guidance

For information on performance, integration and deployment of Intel RAID, see
http://www.intel.com/go/RAID.