# Intel® RAID Controller RS2WG160 Quick Start User's Guide

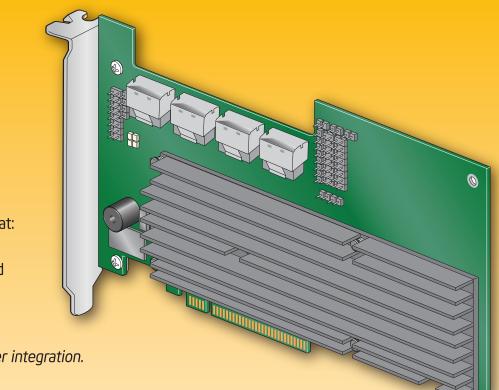
This guide contains step-by-step instructions for installing the Intel® RAID Controller RS2WG160 and information on using the BIOS setup utility to configure a single logical drive array and install the driver into the operating system.

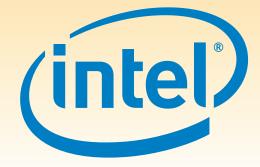
For more advanced RAID configurations, or to install with other operating systems, please refer to the Hardware User's Guide.

These guides and other supporting documents (including a list of supported server boards) are also located on the web at: http://www.intel.com/support/motherboards/server.

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, see your Hardware Guide for complete ESD procedures. For more details on Intel® RAID controllers, see: www.intel.com/go/serverbuilder.

Read all cautions and warnings first before starting your RAID Controller integration.





#### Warning

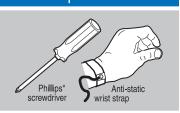
Read all caution and safety statements in this document before performing any of the instructions. Also see the *Intel®* Server Board and Server Chassis Safety Information document at: http://www.intel.com/support/ motherboards/server/sb/cs-010770 .htm for complete safety information.

### Warning

Installation and service of this product should only be performed by qualified service personnel to avoid risk of injury from electrical shock or energy hazard.

Observe normal ESD [Electrostatic Discharge] procedures during system integration to avoid possible damage to server board and/or other components.

#### Tools Required



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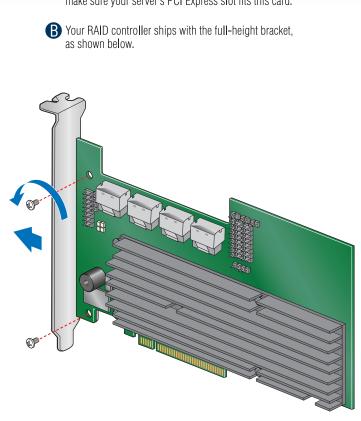


### What you will need to begin

- SAS 2.0 or SATA II hard disk drives (backward compatible to support SAS 1.0 hard disk drives)
- Intel® RAID Controller RS2WG160
- Server board with a x8 or x16 PCI Express\* slot (this controller is designed to meet the x8 PCI Express\* Generation 2 specification and is backward compatible with generation 1 slots)
- Intel® RAID Controller RS2WG160 Resource CD
- Operating system installation media: Microsoft Windows Server 2003\*, Microsoft Windows Server 2008\*, Microsoft Windows Vista\*, Red Hat\* Enterprise Linux, or SUSE\* Linux Enterprise Server

### Check the Bracket Height

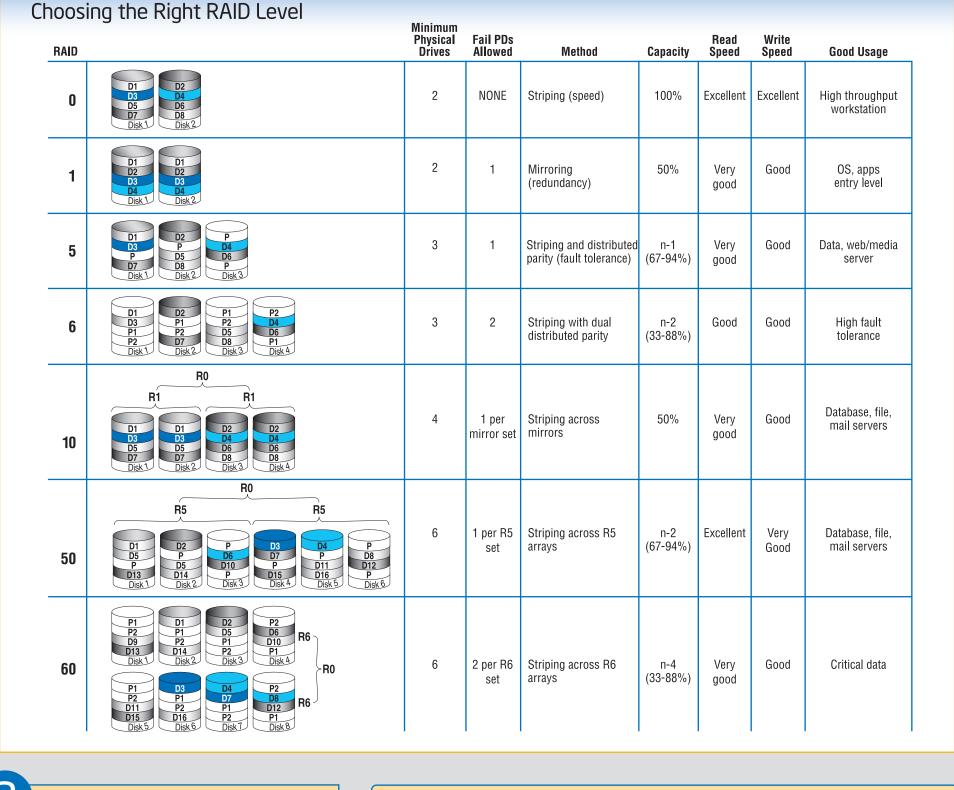
A This RAID controller requires a full-height slot. Please make sure your server's PCI Express slot fits this card.



# Install the RAID Controller A Power down the system and disconnect the Remove the system cover and any other pieces to access the PCI Express\* slot. Firmly press the RAID Controller into an available x8 or x16 PCI Express\* Slot. Secure the RAID Controller bracket to the system back panel.

### Audible Alarm Information

For information about the audible alarm and how to silence or disable it, see the reverse side of this document.

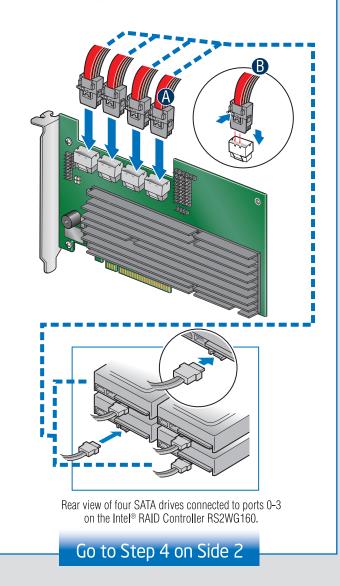


## Connect the RAID Controller

A For internal drives, connect the wide end of the provided cable to the left silver connector (Ports 0-3).

**B** Push the cable into the silver connector until it makes a slight click.

Note: This controller is shipped together with multiple mini-SAS to mini-SAS cables. Both non-expander backplanes (one cable per drive) and expander backplanes (one or two total cables) are supported. For direct drive connection, a third party mini-SAS to single drive SAS or SATA drive cable is required.



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<sup>1</sup>Available only to Intel® Channel Program Members, part of Intel® e-Business Network

### Intel® RAID Controller RS2WG160 Reference Diagram **Back View** Front View J1B3 J1B1 J1A2 [ Bracket Screw (2) J2B1 Ports 0-3 J2B2 Ports 4-7 J3B1 Ports 8-11 Express\* Interface J4B2 Ports 12-15 [5A2 J4A5 -J4A4 - J5B3 J1Ľ1

For more information on the jumpers referenced in this diagram, refer to user guide located on the web at:

http://www.intel.com/support/motherboards/server.