

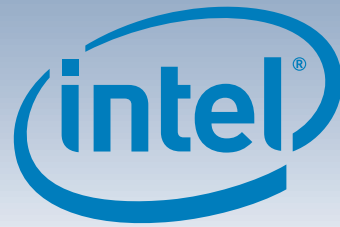
Intel® Server Chassis SC5650BRP/SC5650DP/ SC5650WS/SC5650UP Quick Start User's Guide

Thank you for buying the Intel® Server Chassis SC5650. The following information will help you to prepare your chassis for integration with your selected Intel® Server Board.

These guides and other supporting documents (including a list of supported server boards) are located on the web at <http://support.intel.com/support/motherboards/server/chassis/SC5650/>

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please see the Intel® Server Chassis SC5650 Service Guide, available on the CD that came with your Intel® Server Board.

Read all cautions and warnings before starting your server chassis integration.



Building Value With Intel

Server Products, Programs and Support

Get the high-value server solutions you need by taking advantage of the outstanding value Intel provides to system integrators:

- High-quality server building blocks
- Extensive breadth of server building blocks
- Solutions and tools to enable e-Business
- Intel® System Management Software
- Comprehensive training services
- Worldwide 24x7 technical support [AT&T Country Code + 866-655-6565]¹
- World-class service, including a three-year limited warranty and Advanced Warranty Replacement¹

Intel® ServerBuilder is your one-stop shop for information about all of Intel's server building blocks, such as:

- Product information, including product briefs and technical product specifications
 - Sales tools, such as videos and presentations
 - Training information, such as the Intel® Online Learning Center
 - Support Information and much more
- ¹Available only to Intel® Channel Program Members, part of the Intel® e-Business Network.

Intel® Server Board Guide

The server board that can be installed in your Intel® Server Chassis SC5650 is dependent upon the configuration of the chassis purchased.

Chassis Configuration Product Code	Compatible Intel® Server Board
SC5650DP	S5500BC, S5520HC, S5500HCV
SC5650WS	S5520SC
SC5650BRP	S5500BC, S5520HC, S5500HCV
SC5650UP	S3420GP Family

SC5650DP and SC5650BRP do not need a system air duct with S5500BC board. Only SC5650WS can support 130 W TDP CPU.

1 Remove Side Cover

- 1 Remove two screws.
- 2 Push in latch.
- 3 Slide side cover rearward and remove.

2 Remove Front Bezel Assembly

- 1 Lift outward two bezel tabs on left side of bezel assembly to detach bezel assembly from the chassis.
- 2 Rotate left side of front bezel assembly outward slightly.
- 3 Disengage three bezel clips that attach the right side of the bezel to the right side of the chassis and remove.

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://support.intel.com/support/motherboards/server/sb/cs-010770.htm> for complete safety information.

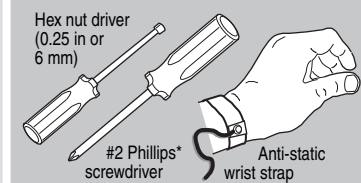
Warning

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

Caution

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

Tools Required



Intel is a registered trademark 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 © 2009, Intel Corporation. All rights reserved.

3 Remove Tool-less Hard Drive Cage

- 1 Loosen thumb screw. Apply pressure to right side of EMI shield to release EMI shield from hard drive cage.
- 2 Push blue plastic release mechanism upward to unlatch hard drive cage.
- 3 Once released, pull hard drive cage out of chassis.

4 Install Tool-less CD-ROM or DVD-ROM Drive

- 1 Remove EMI shield from 5.25-inch device drive bay.
- 2 Make sure latch is in "unlock" position.
- 3 Insert CD-ROM or DVD-ROM drive into device drive bay.
- 4 Line up holes in CD-ROM or DVD-ROM drive with holes in chassis.
- 5 Move latch to "lock" position.
- 6 Connect power (P5 or P6 for DP/BRP/WS; P3 or P4 for UP) cables and data cables to rear of the CD-ROM or DVD-ROM drive.

An additional 4-pin IDE male-to-SATA 15 pin power cable adapter may be needed if the CD-ROM or DVD-ROM does not have a 4-pin power connector. Data cables are included with the Intel® Server Board.

5a Remove Fan Duct/System Fan Assembly

- 1 For SC5650 DP/BRP/WS only: Remove fan duct assembly as shown.
- 2 Remove system fan by pushing the right and left tabs outward and disengaging from fan housing.

5b Remove Fan Duct/System Fan Assembly (for UP)

- 1 For SC5650UP only, remove fan duct assembly and system fan by pushing the left and right tabs outward and disengaging from snap-in bracket.

6 Remove PCI Card Guide (only for S5500BC)

- 1 Press in on two blue tabs.
- 2 Pull PCI card guide outward and remove from chassis.

7 Install Server Board

See your Intel® server board *Quick Start User's Guide* for server board installation instructions and installation of the back panel I/O shield.

Use the mounting screws, bumpers and standoffs (if necessary) that came with your chassis to secure the server board to the chassis.

The standoffs that ship with the chassis need to be adjusted to accommodate the Intel® Server Board assembled. For the Intel® Server Board S5500BC, standoffs should be installed at the following positions: K, L, M, F, 3, H, A and C. For the Intel® Server Board S5520HC/S5500HCV/S5520SC, standoffs should be installed at the following positions: K, L1, F, 3, E, J1, A, C and D, while there is a push pin already installed at position N.

For the Intel® Server Board S3420GP family, standoffs should be installed at the following positions: 1,3,A,C,F,H,K,L and M.

For other configurations, see the *Quick Start User's Guide* that came with your Intel® Server Board.

Return to this document when finished.

Chassis Fan Connection for the Intel® Server Boards S5520HC / S5500HCV and Intel® Workstation Board S5520SC

✓ = System Fan header used	Intel® Server Chassis SC5650DP	Intel® Server Chassis SC5650BRP	Intel® Server Chassis SC5650WS	Notes:
S5520HC/S5500HCV	✓	✓		
S5520SC			✓	
System Fan 1	✓	✓	✓	PCI Zone Chassis Fan
System Fan 2				
System Fan 3	✓	✓	✓	HDD Cage Fan
System Fan 4				
System Fan 5	✓	✓	✓	Rear Chassis Fan

Chassis Fan Connection for the Intel® Server Board S5500BC

✓ = Fan header used	Intel® Server Chassis SC5650DP	Intel® Server Chassis SC5650BRP	Notes:
System Fan 1	✓	✓	PCI Zone Chassis Fan
System Fan 2	✓	✓	HDD Cage Fan
System Fan 3	✓	✓	Rear Chassis Fan

Chassis Fan Connection for the Intel® Server Board S3420GP Family

✓ = Fan header used	Intel® Server Chassis SC5650UP	Notes:
System Fan 1		
System Fan 2	✓	HDD Cage Fan
System Fan 3		
System Fan 4	✓	Rear Chassis Fan

E39540-004

