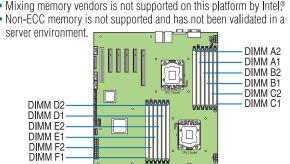


Memory Configurations and Population Order:

- Minimum of one 1 GB DDR3-800/1066/1333 RDIMM or UDIMM
- Install from first slot of each channel (A1, B1, C1, D1, E1, or F1). Install Quad-Rank DIMM from first slot of each channel.
- Channel D, E, and F are not available when CPU 2 socket is empty. DIMM slots D2, E2, and F2 are empty on the Intel® Server Board S5500HCV
- Mixing of RDIMMs and UDIMMs is not supported. Mixing memory type, size, speed and/or rank on this platform has not bee
- validated and is not supported. • Mixing memory vendors is not supported on this platform by Intel®

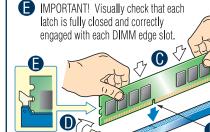


CAUTION: Avoid touching contacts when handling or installing DIMMs.

A Open both DIMM socket levers.

To Install DIMMs:

- B Note location of alignment notch.
- Insert DIMM making sure the connector edge of the DIMM aligns correctly with the slot.
- Push down firmly on the DIMM until it snaps into place and both levers close.



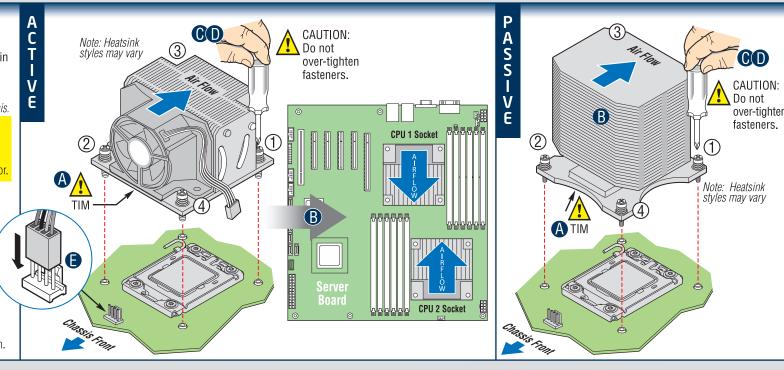
Install Heat Sink(s) Passive processor heat sink(s) (FXXRGTHSINK) is required in the Intel® Server Chassic SC5600LX. Active processor heat sink(s) is required in other Intel® Server Chassis in the SC5600 and SC5650 families. For a non-Intel chassis, see the documentation accompanying your chassis.

CAUTION: The heat sink has thermal interface material (TIM) on the underside of it. Use caution so that you do not damage the thermal interface material. Use gloves to avoid sharp edges. A second heat sink is required for a second processor.

- A If a protective film covers the thermal interface material (TIM)
- on the underside of the heatsink, remove the protective film. B Align active heat sinks in the Intel® Server Chassis SC5650 and C5600 to let air flow go through to the center of the board.

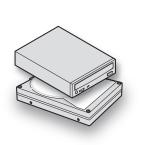
Align the passive heat sink (FXXRGTHSINK) fins to fit the Intel® Server Chassis SC5600LX air duct.

- Using a #2 Phillips* screwdriver, finger-tighten each
- istener diagonally, according to the white-circled numbers. Securely re-tighten each fastener again in the same order as performed in Step C.
- Attach active heatsink fan power cable to server board as shown.



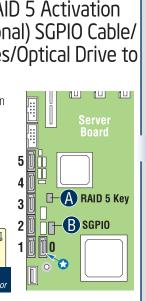


See the documentation that came with your server chassis for drive installation



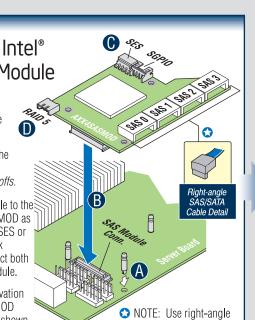
Install (Optional) RAID 5 Activation Key/Connect (Optional) SGPIO Cable/ Connect Hard Drives/Optical Drive to Server Board

- (Optional) Install optional RAID 5 Activation Key (AXXRAKSW5) on on-board RAID 5 Key connector as shown.
- (Optional) Connect the SGPIO cable to the server board SGPIO Connector as shown. Connect the other end of the SGPIO cable to the hot-swap hard disk backplane
- Connect SATA Data Cables to the server board as shown.
- Begin cable connections at the SATA 0 location.

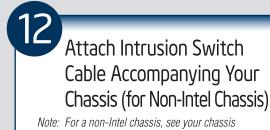




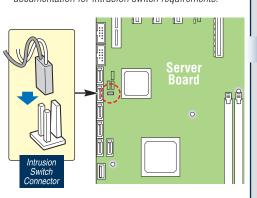
- A Insert the three snap-standoffs into the matching holes in the server board.
- **B** Attach the AXX4SASMOD module to the server board SAS module connector. Press firmly to engage the snap standoffs.
- (Optional) Connect SES or SGPIO cable to the matching connector on the AXX4SASMOD as shown. Connect the other end of the SES or SGPIO cable to the hot-swap hard disk backplane if installed. DO NOT connect both cables to the AXX4SASMOD SAS module.
- (Optional) Install optional RAID 5 Activation Key (AXXRAKSW5) to the AXX4SASMOD SAS module RAID 5 key connector as shown.

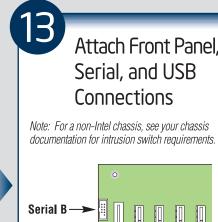


SAS/SATA cables only

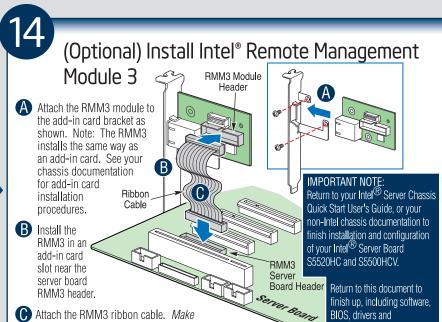


documentation for intrusion switch requirements.







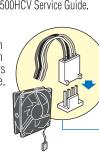


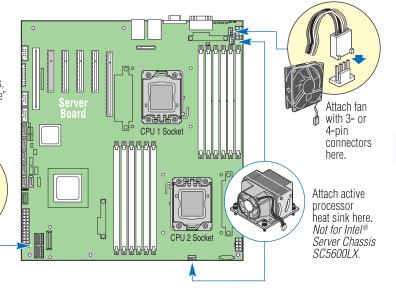
Chassis Fan Connections

See the documentation accompanying your chassis for specific chassis fan connection requirements. For a non-Intel server chassis, see "Making Connections ... Quick Reference" below and see the Intel® Server Board S5520HC and S5500HCV Service Guide

Attach fans with 3-, 4-, or 6-pin connectors

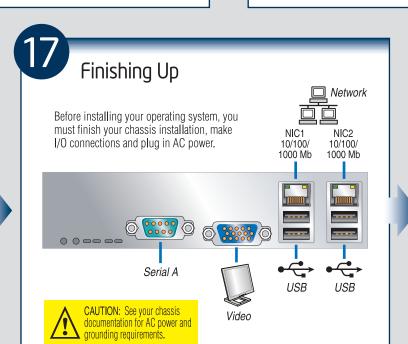
e











Software • BIOS, Drivers, and Operating System Installation

Panel

USB→

A. Confirm BIOS, BMC, ME, and FRUSDR Versions: Look on the Server/System Management screen in the BIOS Setup Utility to determine the installed BIOS. BMC firmware, and FRUSDR versions. Compare these to the versions at: http://support.intel.com/support/motherboards/server/s5520HC/

If new versions are available, update the BIOS, BMC firmware, and FRUSDR on your server. See the Service Guide on the Intel® Server Deployment Toolkit 3.0 CD for update instructions.

B. Configure your RAID Controller: Use the instructions provided with the

C. Install your Operating System: Use the instructions provided with the RAID

D. Install Operating System Drivers: With the operating system running, insert the Intel® Server Deployment Toolkit 3.0 CD, which comes with production version of the Intel® Server Board S5520HC and S5500HCV. If using a Microsoft Windows* operating system, the Intel® Deployment Assistant (in the Deployment Toolkit 3.0 CD) will autorun and allow you to select the appropriate drivers to install. On other operating systems, browse the CD folders to locate and install the driver files.

Common Problems and Solutions

For a list of hardware components that have been tested with this system, see: The system does not boot or show video at power-on:

Check that all processor power connectors are plugged-in. Without these

- connections, the server cannot boot. • Beep code 3 means you have bad memory; replace the faulty DDR3 DIMM(s).
- Remember, all DIMMs must be:

sure each connector end is securely seated.

- DDR3 800/1066/1333-compliant, 240-pin DIMMs.
- No mixing of DDR3 RDIMMs and UDIMMs.
- Installed from first slot of each channel.

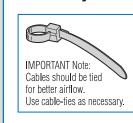
• Install Quad-Rank DIMM from first slot of each channel.

The system sometimes works, but is exhibiting erratic behavior. • This is probably the result of using an underrated power supply.

ing	Connections

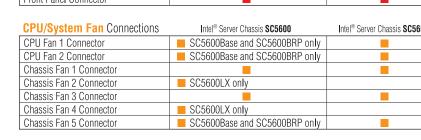
to the Server Board

Quick Reference

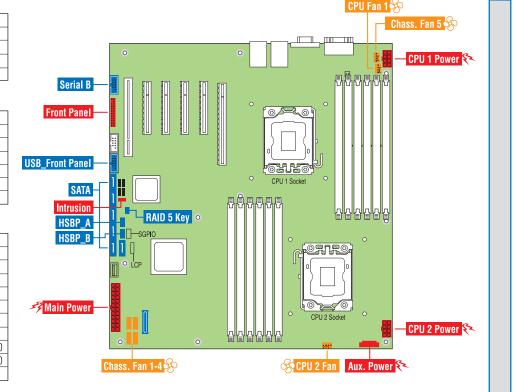


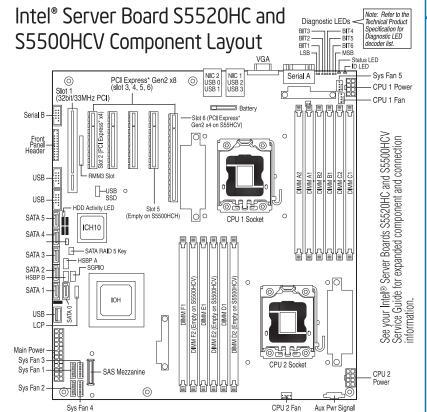
Notes: Not all optional connections are shown in this diagram. Refer to the Reference section of this Quick Start User's Guide, your Intel® Server Boards S5520HC and S5500HCV Service Guide, and your server chassis documentation for additional connection information.





	01 1 5 10 1	- 00500011/	
	Chassis Fan 4 Connector	SC5600LX only	
	Chassis Fan 5 Connector	SC5600Base and SC5600BRP only	
	Optional Connections	Intel® Server Chassis SC5600	Intel® Server Chassis SC5650
	HSBP_A		
^ F	HSBP_B		
	USB_Front Panel		
	SATA Connectors		
	SATA Software RAID 5 Key		
	SAS Module SAS Connectors (optional)		
	Serial B		
	SATA SGPIO		
	SAS Module SES (optional)	Either SAS SES or SGPIO	■ Either SAS SES or SGPI
	SAS Module SGPIO (optional)	■ Either SAS SES or SGPI0	■ Either SAS SES or SGPI
	SAS Software RAID 5 Key (optional)		
	Note: For a non-Intel chassis, see your ch	nassis documentation for server board conne	ction information.





Accessories and Order Codes ntel® Remote Management Module 3 AXXRMM3 ntel® SAS Entry RAID Module AXX4SASMOD Intel® RAID Activation Key (SATA / SAS AXXRAKSW5 Intel® Server Chassis SC5600Base SC5600Base Intel® Server Chassis SC5600BRP SC5600BRP Intel® Server Chassis SC5600LX SC5600LX Intel® Server Chassis SC5650DP SC5650DP Intel® Server Chassis SC5650BRP SC5650BRP Tower Passive Heat Sink for Intel® Server | FXXRGTHSINK

A complete list of accessories and spares can be found in the Intel® Server Board S5520HC and S5500HCV Configuration Guide

Available Documents			
Document Type	Content		
Technical Product Specification	In-depth technical information		
Spares and Configuration Guide	Supported accessories and spares list		
Server Configurator Tool	Tested peripherals and operating systems list Tested memory list Supported processors list		
Software and Drivers	Up-to-date firmware, driver and utility information		

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