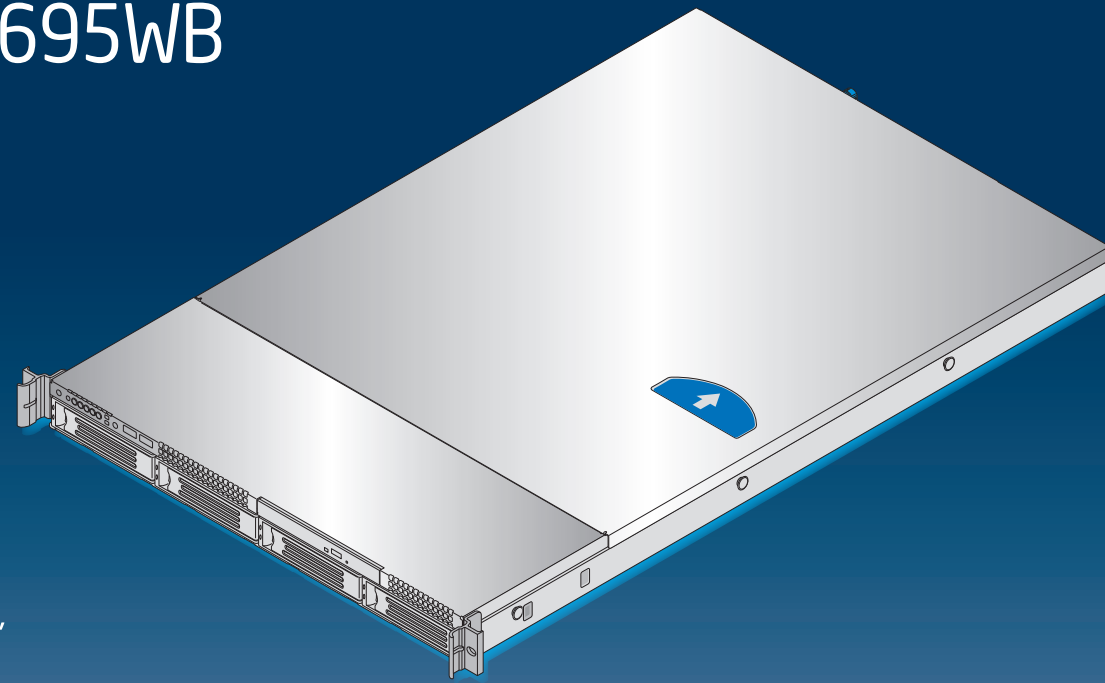


# Intel® Server System SR1695WB Quick Start User's Guide



Thank you for buying the Intel® Server System SR1695WB. The following information will help you set up and configure your new server system.

For details on this system, please visit <http://www.intel.com/go/serverbuilder> and <http://www.intel.com/support/motherboards/server/>

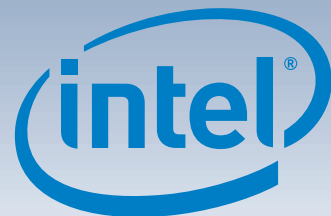
When installing the server board into a reference chassis, refer to the reference chassis instructions.

User Guides are also available on the Intel® Server Deployment Toolkit CD that accompanied your Intel® Server System SR1695WB.

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please see the Intel® Server System SR1695WB Service Guide, available on the Intel® Server Deployment Toolkit CD or at <http://support.intel.com/motherboards/server/s5500wb>.

Please boot to the Intel® Server Deployment Toolkit CD first for BIOS and firmware configuration and updates.

Read all cautions and warnings first before starting your server system integration.



## Minimum Hardware Requirements

To avoid integration difficulties and possible board damage, your system must meet the following minimum requirements:

- Processor: Intel® Xeon® Processor 5500 or 5600 Series with compatible heat sink.
- Memory Type: Minimum of one 1 GB, 240-pin DDR3 800/1066/1333 MT/s RDIMM or UDIMM.
- Power: Minimum of 450W with 3A of standby current.

## Fastener Identification Guide

- #6-32 for 3.5" HDD in step 8-3A
- M3 for 2.5" HDD in step 8-2A

## 1 Preparing the Chassis

If using a non-Intel server chassis, refer to the documentation that came with your chassis for preparatory steps.

Observe normal ESD (ElectroStatic Discharge) procedures.

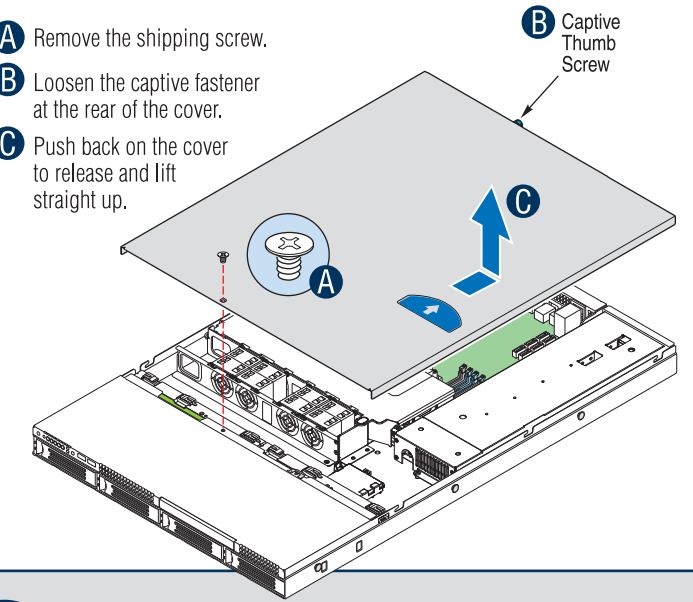


Place your Intel® Server System on a flat anti-static surface to perform the following integration procedures.

Always touch the chassis frame first, before reaching inside to make server board connections or to install other components.

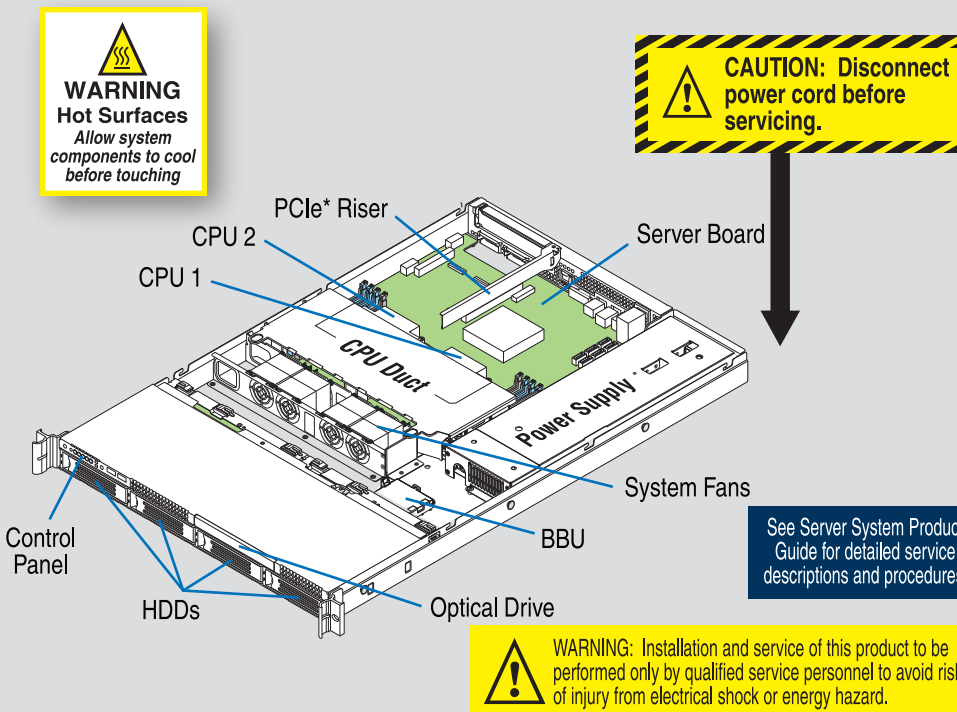
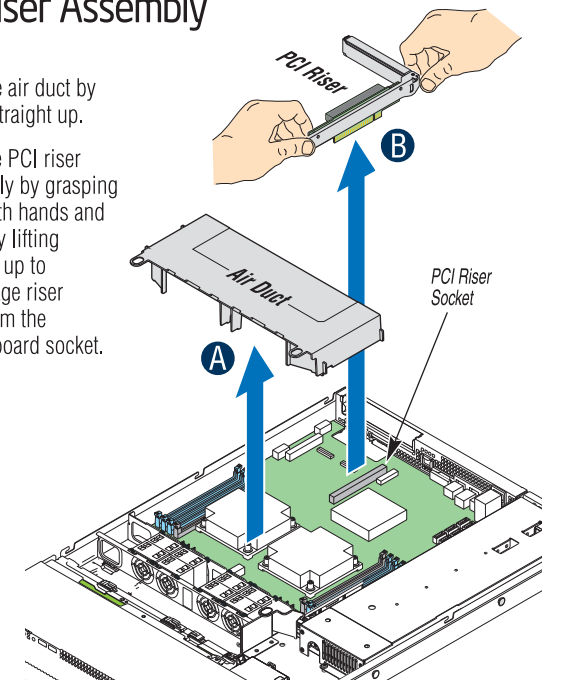
## 2 Remove the Top Cover

- Remove the shipping screw.
- Loosen the captive fastener at the rear of the cover.
- Push back on the cover to release and lift straight up.



## 3 Remove Air Duct and PCI Riser Assembly

- Remove air duct by lifting straight up.
- Remove PCI riser assembly by grasping with both hands and carefully lifting straight up to disengage riser card from the server board socket.



## 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.

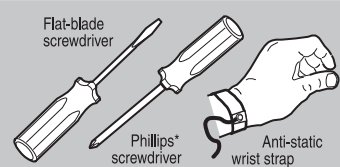
## Warning

Installation and service of this product should only be performed 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



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E92845-002



## 4 Install the Processor(s)

### Cautions:

- When removing the protective cover, DO NOT TOUCH the gold socket wires.
- To avoid damage, DO NOT DROP the cover onto the socket wires or components.
- When unpacking a processor, hold by the edges only to avoid touching the gold contact wires.



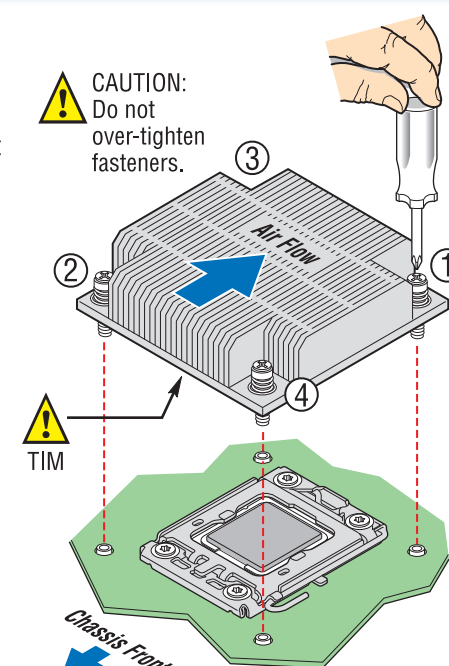
## 5 Install Passive Heatsink(s)

**IMPORTANT NOTE:** Intel® Server Chassis require passive heatsinks. For a non-Intel server chassis, see the documentation that came with your chassis for heatsink requirements.

**CAUTION:** The heatsink 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.

- Remove the protective film on the TIM if present.
- Align heatsink fins to the front and back of the chassis for correct airflow. Airflow goes from front-to-back of chassis.
- Using a #2 Phillips® screwdriver, finger-tighten each fastener diagonally, according to the numbers shown.
- Securely re-tighten each fastener again in the same order as performed in step C.

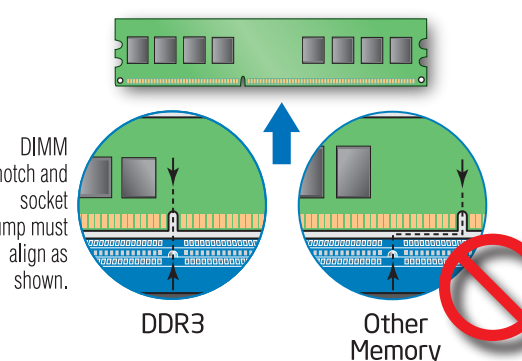
Note: Heatsink styles may vary.



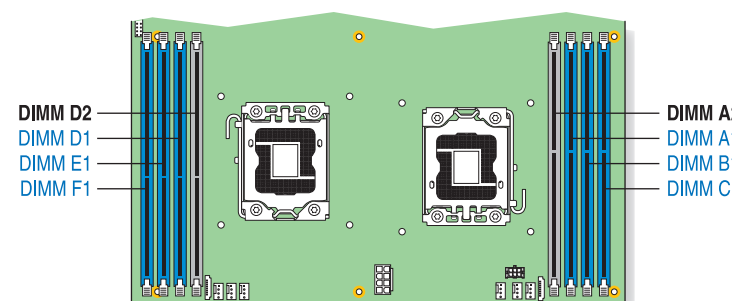
## 6 Install DIMM Memory Modules

### DDR3 DIMM Memory Identification:

- CAUTION:** Observe normal ESD (ElectroStatic Discharge) procedures to avoid possible damage to system components.
- This server board supports up to 8 DDR3-800/1066/1333 ECC RDIMM and ECC UDIMM.



### Memory Configurations and Population Order:



Memory Type: Minimum of one 1 GB, DDR3 800/1066/1333 MHz compliant 240-pin DIMM.

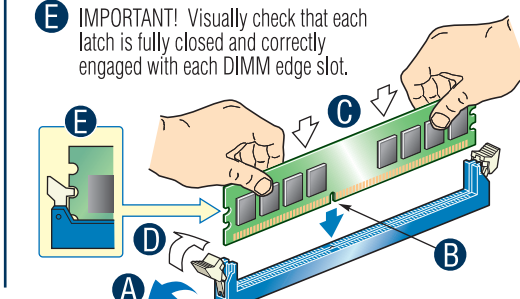
Note: For additional memory configurations, see the Service Guide on the Intel® Server Deployment Toolkit CD that accompanied your Intel® Server System SR1695WB, or go to: [http://www.intel.com/p/en\\_US/support/highlights/server/ss-sr1695wb](http://www.intel.com/p/en_US/support/highlights/server/ss-sr1695wb)

Memory sizing and configuration is supported only for qualified DIMMs approved by Intel®. For a list of supported memory, see the tested memory list at: <http://www.intel.com/support/motherboards/server/s5500wb/sb/CS-030648.htm>

### To Install DIMMs:

**CAUTION:** Avoid touching contacts when handling or installing DIMMs.

- Open both DIMM socket levers.
- 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.
- IMPORTANT!** Visually check that each latch is fully closed and correctly engaged with each DIMM edge slot.



Go to Side 2