

### Minimum Hardware Requirements

To avoid integration difficulties and possible damage to your system, make sure you have components from each category below.

■ *Processor(s):* • Minimum of one Intel® Xeon® processor 5500 series or one Intel® Xeon® processor

Heatsink(s): Minimum of one 1U Intel approved passive heatsink.

 Minimum of one 1024-MB, DDR3 1066/1333-MT/s RDIMM or UDIMM.

D. Remove the

Processor

Protective Cover

A Take the processor out

of the box and remove

the protective shipping

# Preparing the Module

Observe normal ESD (Electrostatic Discharge) procedures.



Always touch the module chassis first, before reaching inside to make connections or to install components.

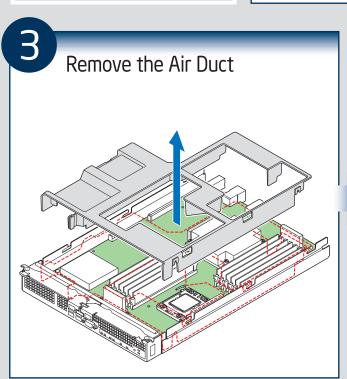
integration procedures.

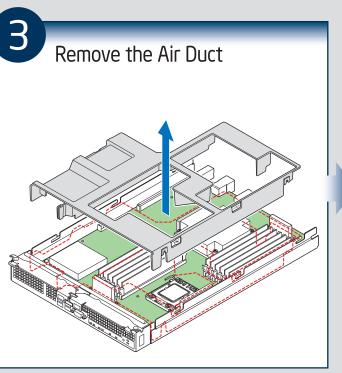


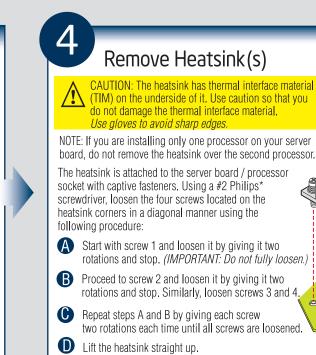


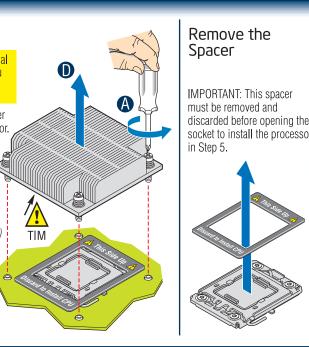
Before proceeding further, do the following:

Intel® Compute Module to ensure no components have loosened during shipping.









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/ .htm for complete safety information.

Read all cautions and warnings before starting your compute module integration.

Install Processor(s)

Read all Cautions before proceeding.

the gold socket wires.

contact wires.

on the server board.

1. When opening a socket, DO NOT TOUCH

2. When unpacking a processor, hold by the

edges only to avoid touching the gold

NOTE: If you are only using one processor on your server

board, install the processor on the CPU socket labeled 'CPU 1

#### 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

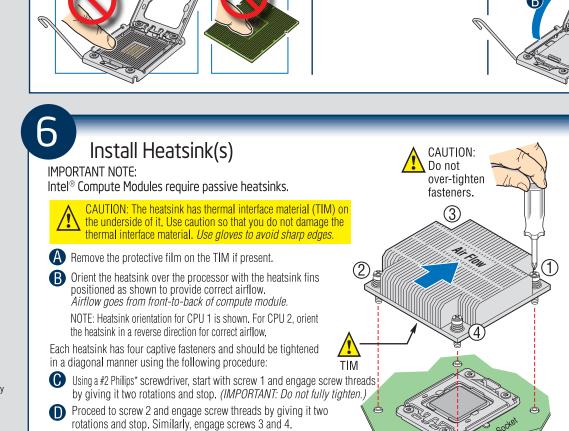
Observe normal ESD [Electrostatic Discharge] procedures during system integration to avoid possible damage to compute module and/or other components.

#### 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 © 2009-2010, Intel Corporation All rights reserved.





Repeat steps C and D by giving each screw two rotations each time unti

Note: Heatsink styles may vary.

each screw is lightly tightened up to a maximum of 8 inch-lbs torque.

A. Open the Socket Lever

A Push the lever handle down

Rotate the lever open all

and away from the socket to

B. Open the Load Plate

A Push the rear tab with your

end of the load plate

finger tip to bring the front

B Open the load plate as shown.

## Install Memory DIMMs DDR3 Memory Identification: This compute module supports up to twelve DDR3-1066/1333 RDIMMs or UDIMMs. Mixing of RDIMM and UDIMM is not supported on this compute module. Only use DIMMs approved for use in a 1U compute module. notch and socket bump must align as shown. Other DDR3 Memory

C. Remove Socket Protective Cover

by the two tabs and carefully lift straight

To avoid damage, DO NOT

DROP the cover onto the

socket wires or components

A Grasp the socket protective cover

Save the protective cover

up as shown.

## E. Install the Processor

CAUTION: The underside of the may damage the socket wires if installed improperly. Processor must align correctly with the socket opening before installation DO NOT DROP processor into socket

RDIMMs must be ECC only, while UDIMMs can be ECC or non-ECC.

If both processor sockets are populated, the next upgrade from the Single Channel mode is installing DIMM D1.

If only one processor socket is populated, the next upgrade from the

RDIMMs and UDIMMs cannot be mixed.

5500 Series are populated in a farthest-first fashion.

your Intel® Compute Module MFS5520VI or go to:

Memory List at:

http://support.intel.com/support/motherboards/server/MFS5520VI

approved by Intel. For a list of supported memory, see the Tested

A Orient the processor with the socket such that the orientation notches on the processor align with the two orientation posts on the socket. Install the processor as shown.

F. Close Load Plate and Socket Lever A Close the load plate all the way

 Close the socket lever and ensure that the load plate tab engages under the socket lever

