Intel® Carrier Grade Server TIGH2U Hardware Reference Guide

Thank you for buying an Intel® Carrier Grade Server System. The following information will help you set up and install your Intel® Carrier Grade Server TIGH2U and service components.

This guide and other supporting documents are located on the web at http://support.intel.com/support/telecom/computeboards/tigh2u

If you are not familiar with ESD (Electrostatic Discharge) procedures used during system integration, please see the Intel® Carrier Grade Server TIGH2U Product Guide, available on the CD or at http://support.intel.com/support/telecom/computeboards/tigh2u/

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





Open the Load Plate

A Push the rear tab with your

B Open the load plate as shown.

finger tip to bring the front end

of the load plate up slightly.

Open the Socket Lever

A Push the lever handle

down and away from

the socket to release it.

Pull the lever and open all the way.

Minimum Hardware Requirements

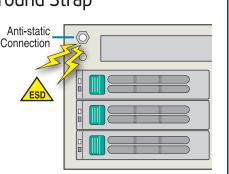
To avoid integration difficulties and possible board damage, your system must meet the following minimum requirements:

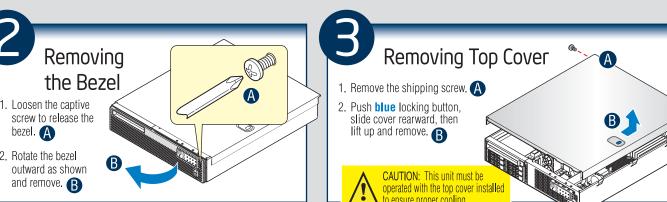
- Processor: Quad-Core Intel® Xeon® processor 5300 or 5400 series with compatible 2U passive
- Memory: Minimum of one 512MB, 240-pin DDR2 533/667 MHz FBDIMM.
- Power: see the Intel® Carrier Grade Server TIGH2U Technical Product Specification.

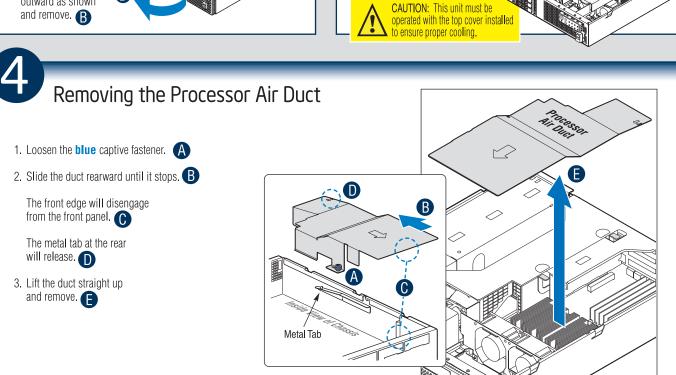


Remove the bezel to access the ground strap attachment point. If the bezel is installed, see Step 2.

Attach ground strap to anti-static connection point.







Remove Socket

Protective Cover

A Grasp the socket protective

the load plate as shown.

B Remove the socket protective

cover tab and pull away from

cover and store for future use.

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: .htm for complete safety information.

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

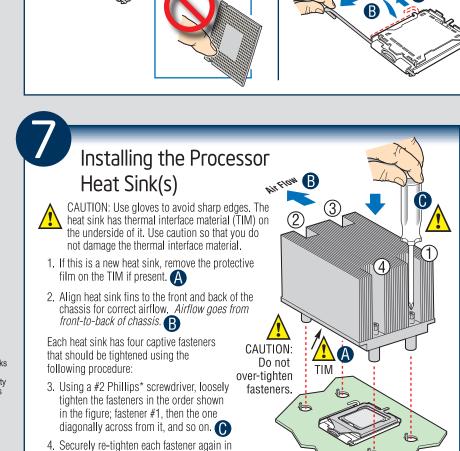
Observe standard ESD [Electrostatic Discharge] procedures during system integration to avoid possible damage to server boards and/or other components.

Tools Required



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Installing the Processor(s)

Note: If you are only using one processor on

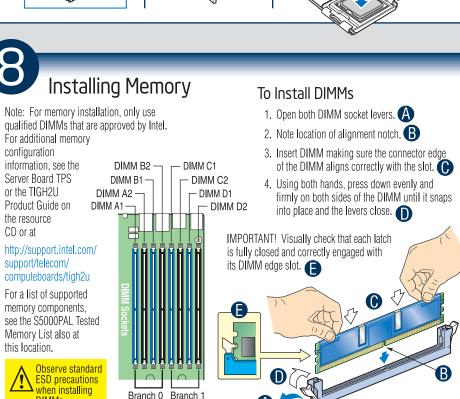
Caution: When unpacking a processor, hold by the edges only to avoid touching the contacts.

your server board, use the socket labeled

"CPU1" in the Reference Diagram.

the same order as performed in Step 3.

Note: Heat sink styles may vary.



Branch 0 Branch

Remove the

Protective Cover

A Take the processor

shipping cover.

remove the

protective

out of the box and

Processor

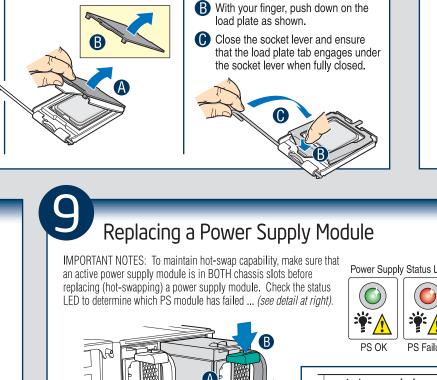
Install the Processor

A Orient the processor so that its

cutouts match the socket's

B Gently place the processor on

the socket as shown.



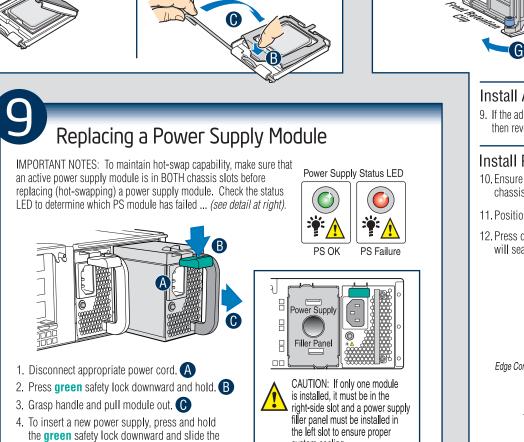
power supply module into the chassis slot.

Close Load Plate

and Socket Lever

A Close the load plate

all the way as shown.



system cooling

Replacing/Installing an Add-in Card

IMPORTANT NOTE: Before removing the PCI riser assembly, first disengage the PCI fan assembly from the card guide at the front end of the riser assembly.

Disengage Fan Assembly

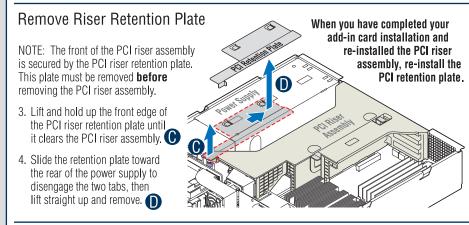
NOTE: The PCI fan assembly is attached to the PCI riser assembly card guide with

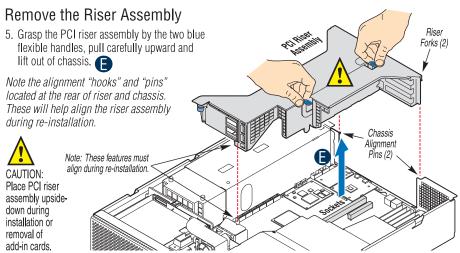
1. Use the tip of your finger to push the locking pin upward and remove.

Grasp the PCI fan assembly and slide it slightly to the LEFT, then pull it away from the card guide just enough to disengage the three retention tabs.

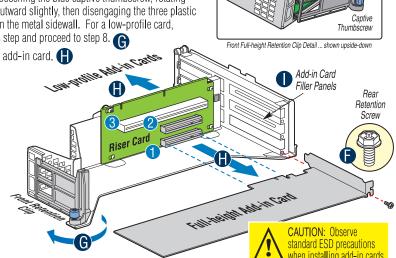


A









Install Add-in Card

9. If the add-in card slot was empty, push out the add-in card filler panel, then reverse the previous steps to complete installation of an add-in card.

Install PCI Riser Assembly

10. Ensure that the forks at rear of PCI riser assembly engage matching pins on chassis back panel.

11. Position riser card edge connectors over the server board riser sockets.

12. Press down uniformly until the two hooks and two pins engage. The riser cards

