Preparing the Chassis

Fastener Identification Guide

Caution

Warning

Minimum Hardware Requirements

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

- Processor: Intel® Xeon® E3-1200 V3 or the 4th Generation Intel® Core™ i3 processors.
- Memory Type: 32 GB maximum with all ECC DDR3L 1600 (32x1 GB)
- Power: Minimum of 350 W with 3A of standby current, which meets the SSI EPS 5V specification

Tools Required

- Flat-blade screwdriver
- Phillips* screwdriver
- Anti-static wrist strap
- Protective plastic bags

Fastener Identification Guide

- 6-32 screws
- M3 screws
- Shoulder Screw
- Nut

Caution

- Other names and brands may be claimed as the property of others.

Warning

- Observe normal ESD (ElectroStatic Discharge) procedures.
- Personnel to avoid risk of injury from electrical shock or energy hazard.

Installation and service of this product should only be performed by qualified service personnel.

Hardware Installation and Service Warning

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

A. Insert the Server Board

B. Attach the Server Board

C. Open the Socket Lever

D. Open the Load Plate

E. Close the Load Plate

F. Engage the Load Plate

G. Latch the Locking Lever

H. Remove the Cover

I. Attach the Bumpers

J. Install the Processor

K. Install Active Heatsink(s)

L. Press downward on the top of the cap.

M. Align the heatsink to the holes in the board and lower assembly to the board. Slide the fan cable into the CPU fan header.

N. Optional: Install I/O Shield

O. Installation of I/O Shield and Attatch I/O Labels

P. Continue with your installation.

Q. Additional Information

R. Important Notes

S. Assembly instructions

T. Instructions for using Intel® Server Deployment Toolkit

U. Reference chassis instructions

V. Fasteners and screws

Warning

- Do not damage the server board with the tip of the screwdriver.

Caution

- Do not lay flat with the protective plastic bags on the server board.

Important Note: If you are using a non-Intel® server chassis, see your chassis documentation for bumper installation. If you are using a non-Intel® server chassis that does not include bumpers, consult with the chassis vendor to determine if bumpers are required or not. If you are using an Intel® Server Chassis, and the chassis bumpers that came with the chassis, refer to the chassis documentation for bumper installation. If you are using a non-Intel® server chassis that includes bumpers, refer to your server board documentation for bumpers installation.

Install I/O Shield

- Install the I/O Shield (optional)

- Install to the server board:

- Connect the I/O Shield label wires to the system board.

- Refer to the server board documentation for bumper installation.

- If you are using a non-Intel® server chassis, refer to the documentation that came with your chassis for instructions.

Protective plastic bags should be used when handling the board.

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- Power: Minimum of 350 W with 3A of standby current, which meets the SSI EPS 5V specification.

- Processor must align correctly with the socket, DO NOT DROP the processor into the socket. If using a non-Intel® server chassis, refer to the documentation that came with your chassis for instructions. If you are using a non-Intel® server chassis, refer to the documentation that came with your chassis for instructions.

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