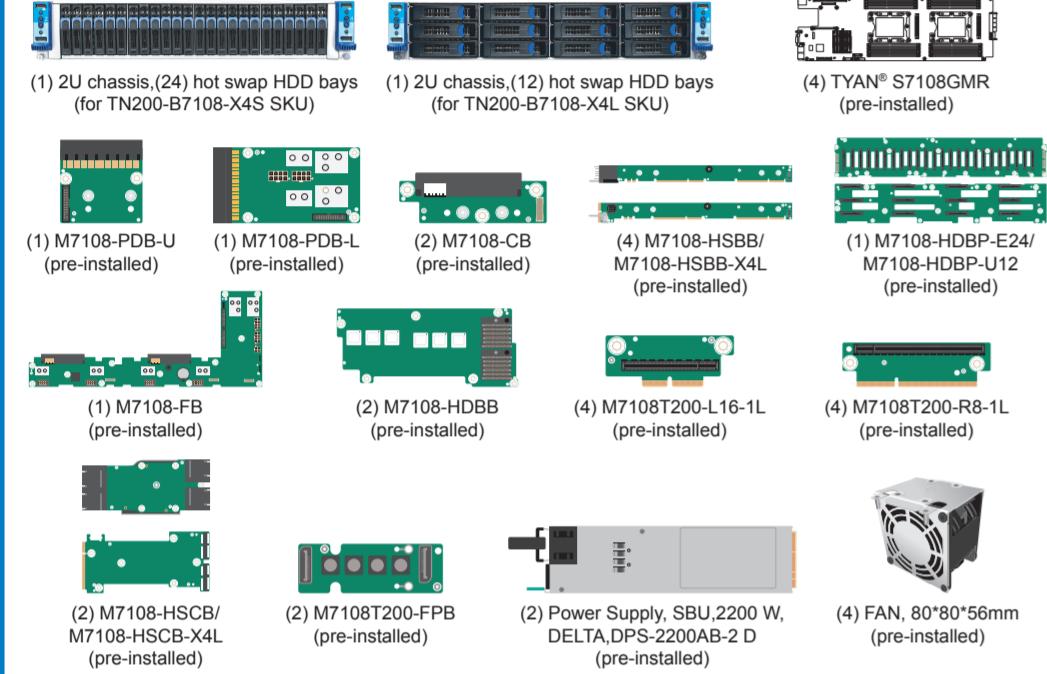


1 General Information

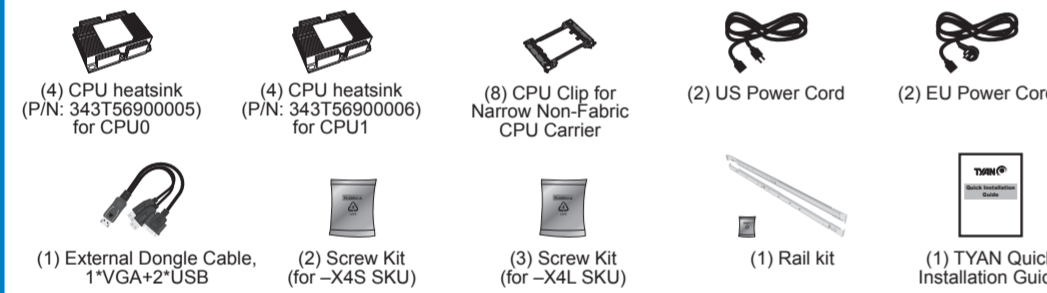
Read Me First

- The Barebone User's Manual is available for download from our Web site at <http://www.tyan.com>. Make sure to read all precautions and instructions before you start installing the server system.
- Refer all servicing to qualified personnel to avoid the risk of damage to the server system.
- Exercise normal ESD (Electrostatic Discharge) procedures during system integration. TYAN/MITAC recommends wearing gloves and an anti-static wrist strap to avoid possible damage to the equipment.
- Current processor socket design places the pins on the motherboard instead of the processor itself. Exercise caution when installing the processors as the manufacturer's warranty does not cover damage inflicted upon the motherboard, including damage to the CPU sockets.

Box Content



Accessories



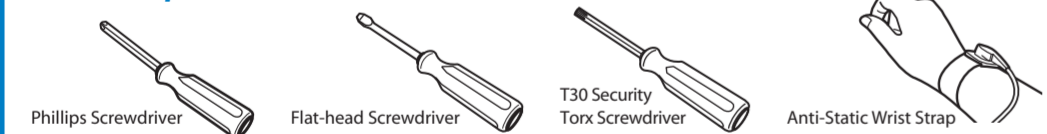
Required Hardware Components

Minimum Hardware Requirements

- To avoid integration difficulties and possible board damage, your system must meet the following minimum requirements:
- Processor: Intel® Xeon® Scalable Processor Family (Skylake-SP) series processors with TDP up to 125W (2U4N system)
- Memory Type: (8+8) DDR4-based DIMM sockets including:
 - RDIMM/LRDIMM 2666 w/ ECC (1.2V) when 1DPC/2DPC
 - RDIMM/LRDIMM 3DS 2666 w/ ECC (1.2V) when 1DPC/2DPC
- Hard Disk Drives: (24) 2.5" hot-swap SATA 6G/SSD/NVMe U.2 HDDs (2.5" SSD/NVMe SKU: TN200-B7108-X4S) (12) 3.5" hot-swap SATA 6G/SAS12G HDDs (3.5" HDD SKU: TN200-B7108-X4L)
- Rack Mount Kit (Industry 19" rack-mountable)

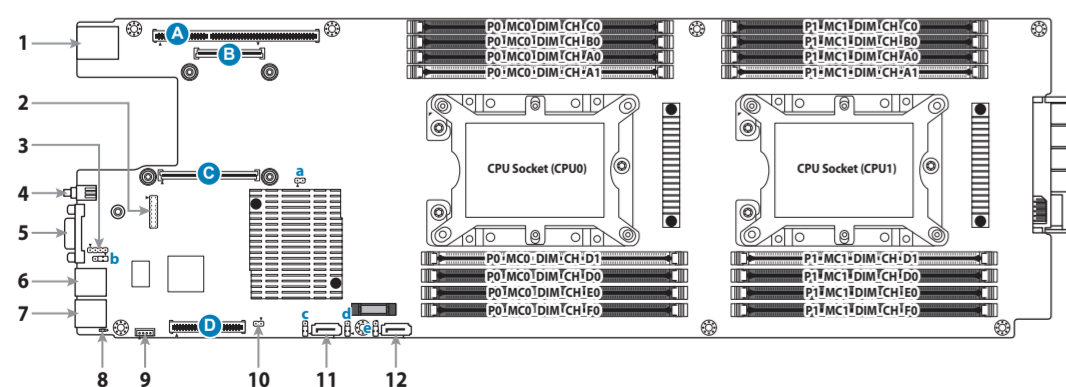
NOTE: The updated hardware requirements of the system please refer to the barebones user's manual on our website at www.tyan.com

Tools Required



2 Motherboard Placement

Motherboard Placement



CONNECTORS

- IPMI_LAN Connector (J6)
- TPM and Port 80 Header (J9)
- BMC Debug Port (J2)
- ID LED and Button (SW1)
- Serial Port (COM Port) (J1)
- USB3.0 Connector (J4)
- USB3.0 Connector (J3)
- BMC Heartbeat LED (LED1)
- RAID KEY Header (J58)
- Intrusion Header (J16)
- Serial Port (COM Port) (J1)
- SATA3.0 (SATA_DOM0) (FOR SATA DOM) (J23)
- SATA3.0 (SATA_DOM1) (FOR SATA DOM) (J30)

SLOTS

- A Mini PCIe 200 (for Riser PCIe x16) (J15)
- B OCP connector B (J14)
- C OCP connector A (J12)
- D Mini PCIe 80 (for Riser PCIe x8) (J11)

JUMPER

- a ME Recovery Mode Jumper (J21)
- b LPC AND eSPI MODE SET Header (J5)
- c SATA AND SATA DOM SET Jumper (J22)
- d Clear CMOS Jumper (J24)
- e SATA AND SATA DOM SET Jumper (J29)

NOTE: There is risk when setting the jumper by yourself.

3 System Installation

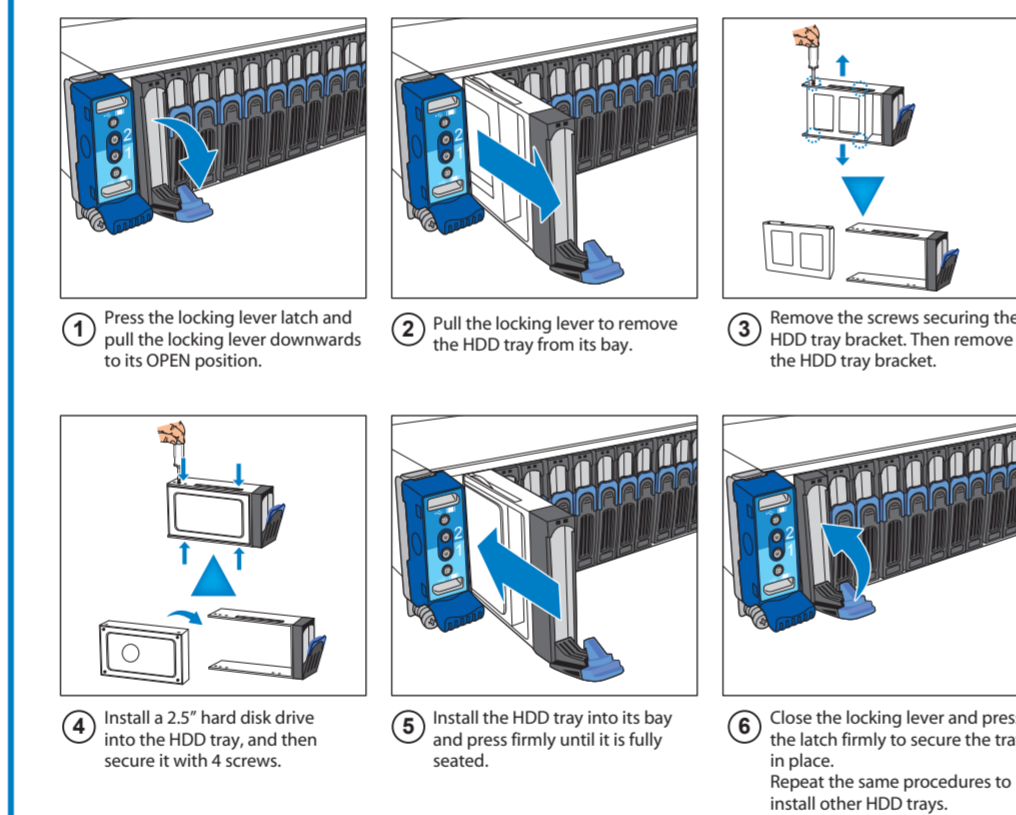


Preparing the Chassis

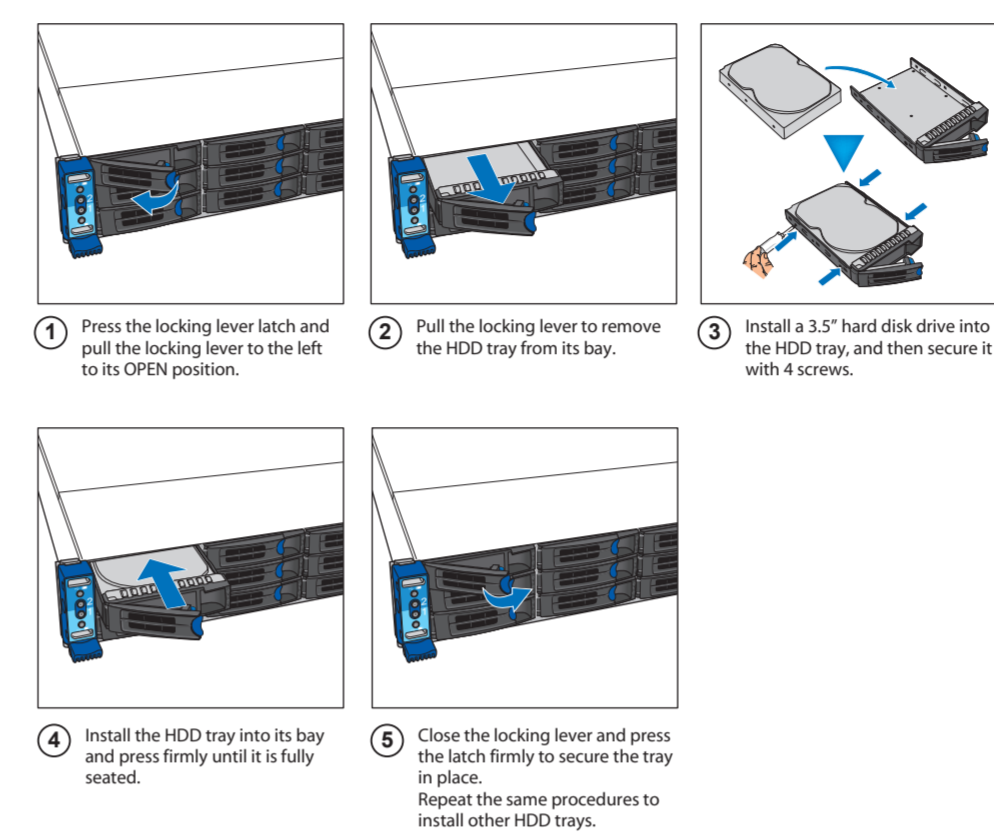
Read normal ESD (Electrostatic Discharge) procedures.

Place your TYAN® Server Chassis on a flat anti-static surface to perform the following integration procedures. Read ESD procedures before reaching inside to install components.

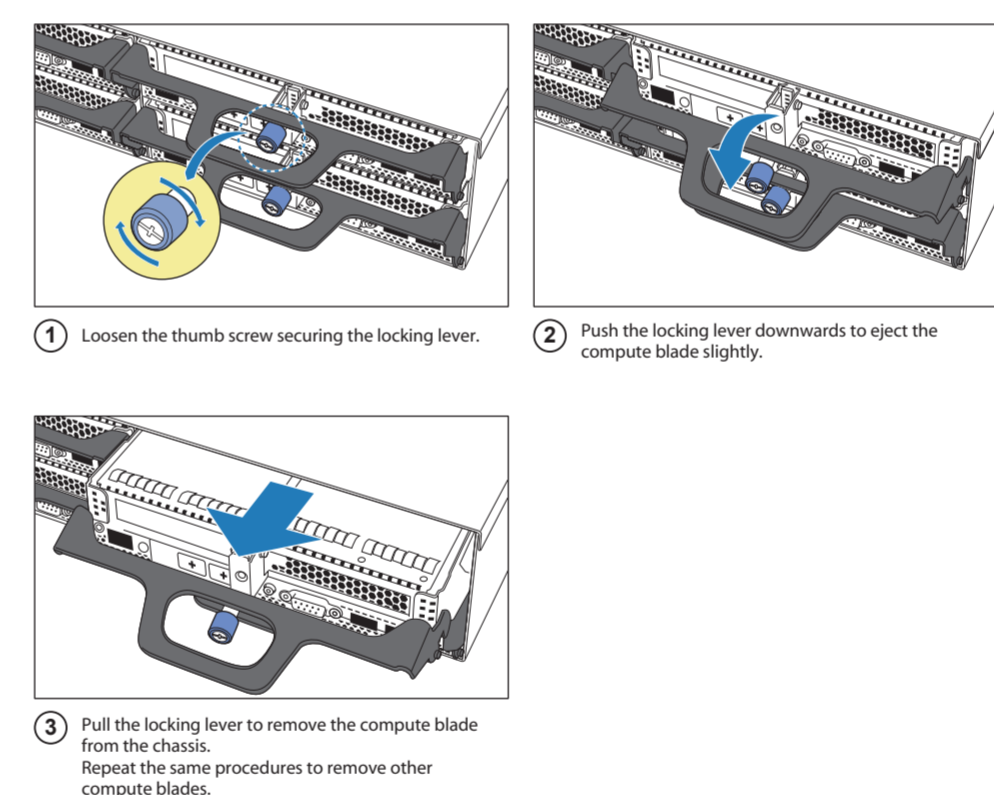
Install the Front Hard Disk Drives (2.5")



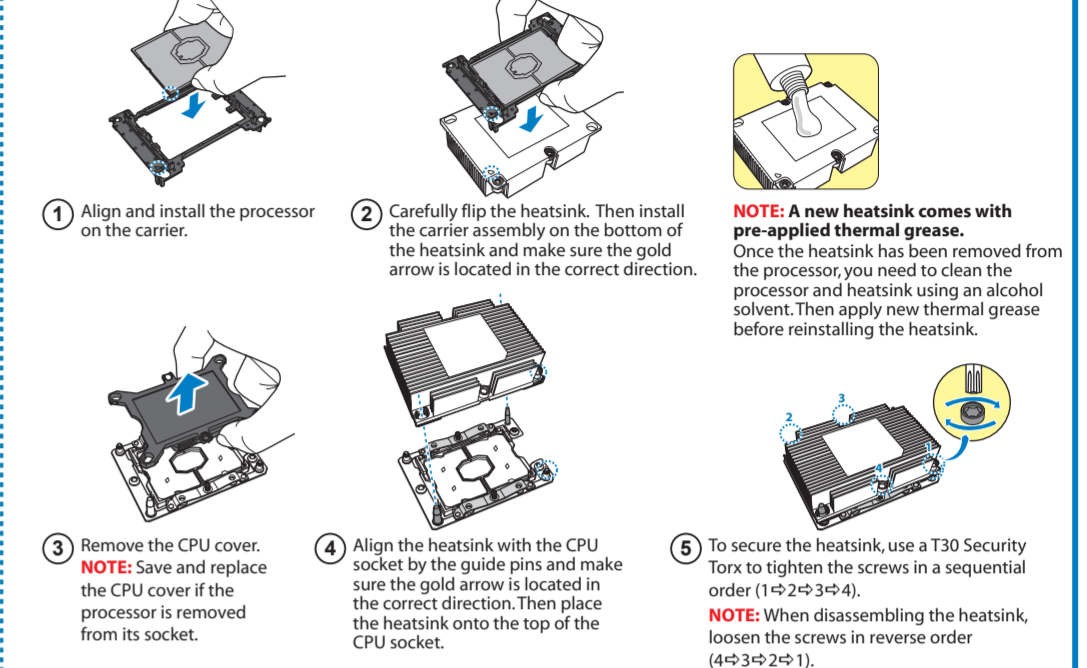
Install the Rear Hard Disk Drives (3.5")



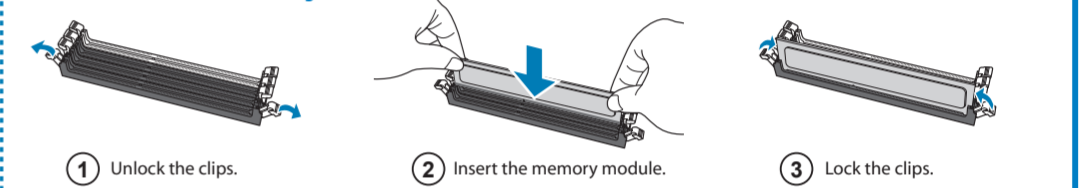
Remove the Compute Blade



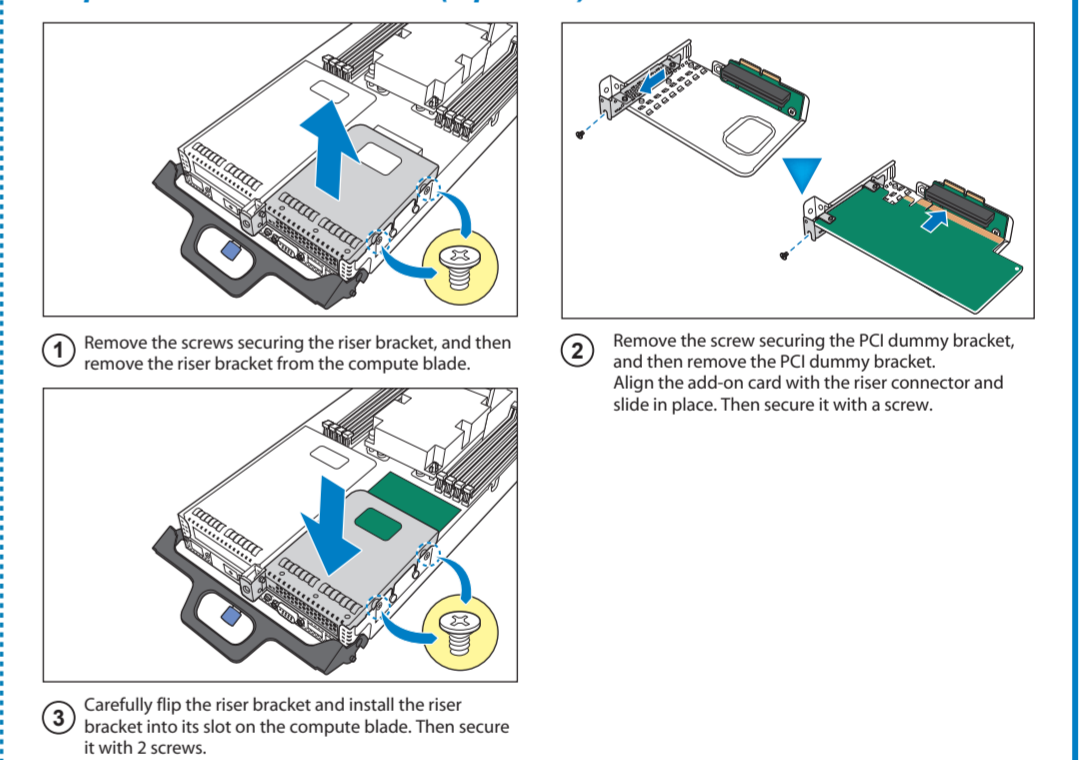
Install the Processor



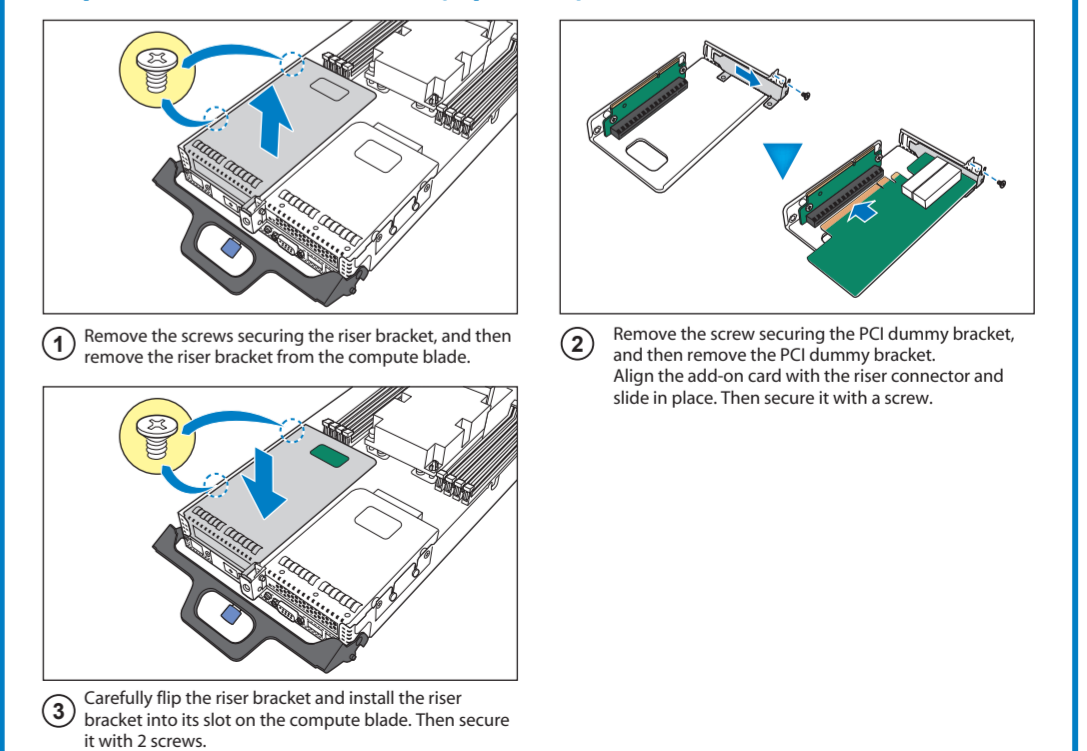
Install the Memory



Replace the Add-On Card (Optional)

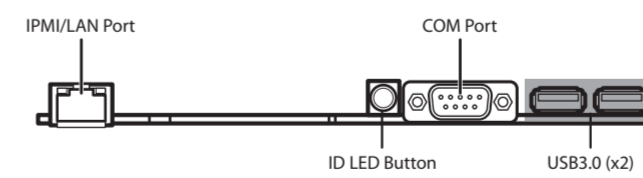


Replace the Add-On Card (Optional)



4 I/O Ports

Locate the External I/O Port



5 Caution

CPU Cover for DOA/RMA

NOTE: Please save and replace the CPU cover when returning the server board for service.

