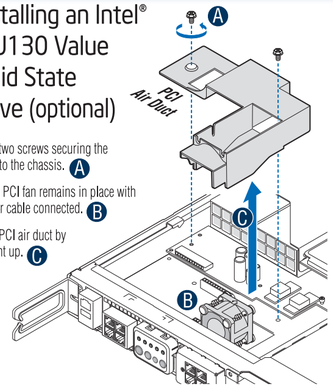
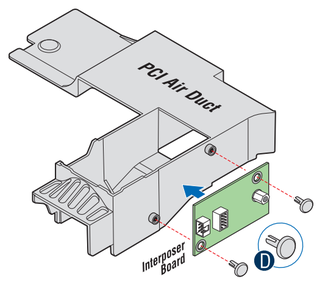
Side 2

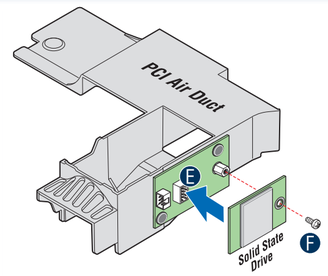
11 Installing an Intel® Z-U130 Value Solid State Drive (optional)

1. Remove the two screws securing the PCI air duct to the chassis. A
2. Note that the PCI fan remains in place with the fan power cable connected. B
3. Remove the PCI air duct by lifting straight up. C



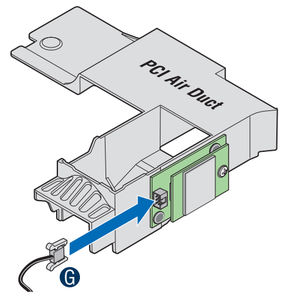
4. Attach the interposer board to the PCI air duct using two plastic compression fasteners as shown. *Align the board with the two standoffs and press the fasteners firmly into place.* D





5. Note that the Intel® Value Solid State Drive and the interposer board have matching connectors. E
6. Connect the Intel® Value Solid State Drive to the interposer board and attach to the standoff with the screw provided. F
7. Plug one end of the Intel® Z-U130 Value Solid State Drive cable into the interposer board as shown. G

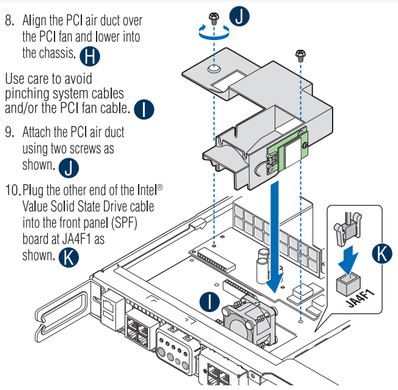
Note that cable ends are identical.



8. Align the PCI air duct over the PCI fan and lower into the chassis. H

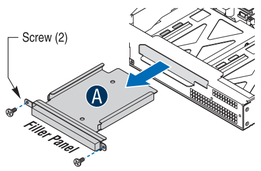
Use care to avoid pinching system cables and/or the PCI fan cable. I

9. Attach the PCI air duct using two screws as shown. J
10. Plug the other end of the Intel® Value Solid State Drive cable into the front panel (SPF) board at JA4F1 as shown. K

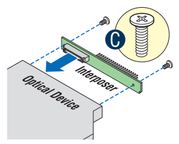


12 Installing an Optical Device (Optional)

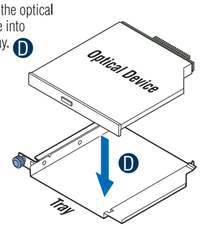
1. Remove the two screws on the front panel and remove the filler panel from the chassis. A



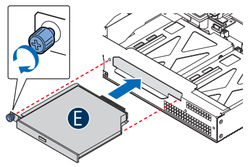
2. Insert the interposer board connector into the port on the back of the optical drive. B
3. Secure the interposer board connection with two screws as shown. C



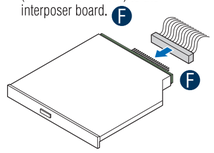
4. Place the optical device into the tray. D



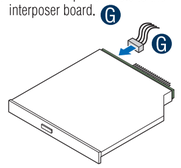
5. Insert the device/tray/interposer board assembly into the chassis opening and secure with the **blue** captive thumbscrew. E



6. Connect the IDE cable (end labeled "Drive") to the interposer board. F



7. Connect the power cable to the interposer board. G



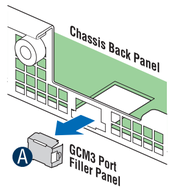
See the System Cabling Diagram at left below for completing cable connections to the front panel board and server board.

13 Installing Intel® Remote Management Module 2 (Optional)

Remove Module Filler Panel

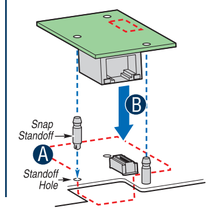
Before installing the Intel® RMM2, you must remove the matching module filler panel.

1. Squeeze the sides of the filler panel to disengage from the chassis back panel and remove. A



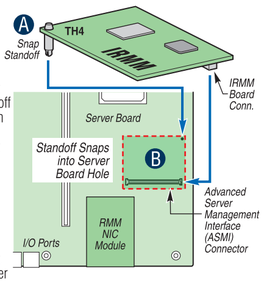
Install Intel® RMM2 NIC Module

1. Snap the two standoffs into the server board first. A
2. Attach module to the server board connector and matching standoffs. B



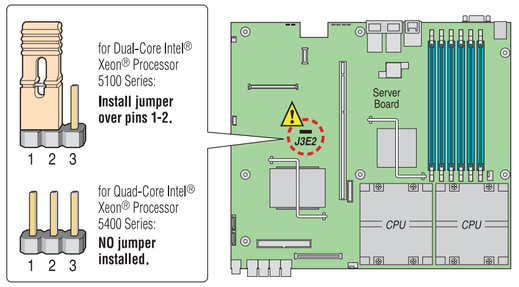
Install Intel® RMM2

1. Insert the standoff into the hole labeled TH4 on the Intel® Remote Management Module 2. The standoff installs on the bottom side of the Intel® Remote Management Module 2. A
2. Attach the Intel® Remote Management Module 2 to the server board Advanced Server Management Interface connector and snap the standoff into the matching hole in the server board. B



14 Setting the Processor Type Jumper

CAUTION: Jumper J3E2 must be configured to match your installed processor or your system will not boot properly.



Reference

Server System Cabling and Component Diagram

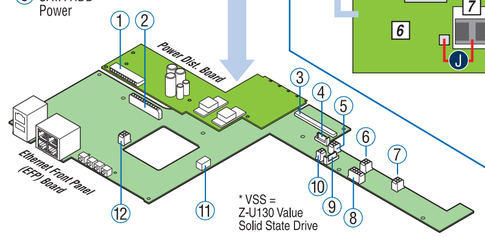
CAUTIONS: See product documentation for detailed service instructions. Observe normal ESD precautions when installing components. *See product documentation for detailed ESD procedures.*

Cable Legend

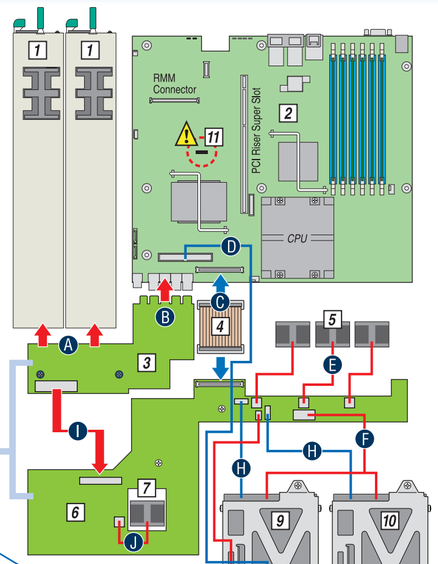
BLUE indicates Data Cable
RED indicates Power Cable

Power Distribution Board/ Ethernet Front Panel (EFP) Board *Connector/Component Layout*

1. PDB Power Harness
2. SFP Power Conn.
3. Flex Cable Conn.
4. SATA HDD 1
5. Fan 3 Power
6. Fan 2 Power
7. Fan 1 Power
8. SATA HDD Power
9. SATA HDD 0
10. Optical Drive Power
11. VSS* Interface Connector (power and data)
12. Fan 4 Power



* VSS = Z-U130 Value Solid State Drive



System Components

1. Power Supplies
2. Server Board
3. Power Distribution Board (PDB)
4. Flex Cable
5. Fan Module
6. Ethernet Front Panel (EFP) Board
7. PCI Fan
8. Optical Device
9. SATA HDD 1
10. SATA HDD 0
11. Processor Jumper

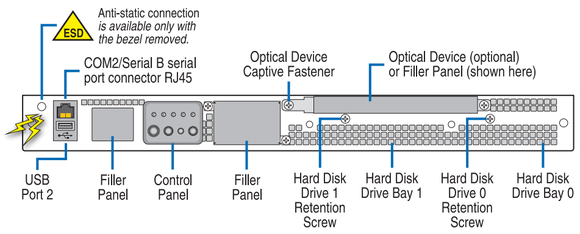
Caution This jumper must match processor before powering up the system.

Connections

- A Power Supply/Power Dist. Board (PDB) Interconnect
- B Power Dist. Board (PDB) to Server Board Interconnect
- C Flex Cable Interconnect
- D Optical Device Data
- E Fan Module Power
- F SATA HDD Power
- G Optical Device Power
- H SATA HDD Data
- I Power Dist. Board (PDB) to Ethernet Front Panel (EFP) Board Interconnect
- J PCI Fan Power

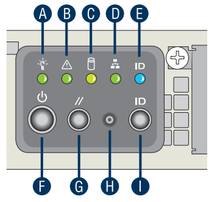
IMPORTANT NOTE: See your Kontron IP Network Server NSW1U Product Guide for complete cabling and server board component descriptions.

Front Panel Controls and Features (Bezel Removed)



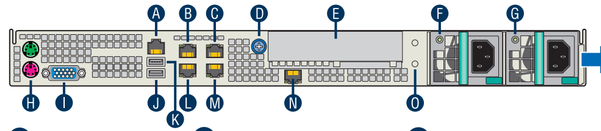
Control Panel

- A Power LED
- B Status LED
- C Disk Activity LED
- D NIC Activity LED
- E ID LED
- F Power Switch
- G Reset Switch
- H NMI Switch
- I ID Switch



LED	Functional Description of Status LEDs	
	Display	Indicated Status
A	Steady Green	Power On
	Off (not lit)	Power Off or Disrupted
B	Steady Green	Standby or Ready
	Blinking Green	Degraded Operation
	Blinking Amber	Non-Fatal Fault Condition
	Steady Amber	Fatal Fault Condtion
C	Green	Drive Activity
D	Green	NIC Activity
	Off (not lit)	No NIC Activity
E	Blue/Off	Toggled by ID Switch

Back Panel Controls and Features



- A COM2/Serial B Serial Port Connector (RJ45)
- B NIC Port 3 Connector
- C NIC Port 2 Connector
- D PCI Cage Thumbscrew
- E PCI-X*/PCIe* I/O Bracket or Filler Panel (shown)
- F Power Supply #1 *(hot-swappable)*
- G Power Supply #2 *(optional) (hot-swappable)*
- H PS/2 Mouse/Keyboard Connectors
- I Video Connector
- J USB 0 K USB 1
- L NIC Port 4 Connector
- M NIC Port 1 Connector
- N Remote Management Module 2 (RMM2) Connector *(optional)* or Filler Panel
- O Ground Studs for DC Input (2)
- P PS Status LED
- Q Handle to remove PS
- R AC Power IN
- S DC Power IN

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