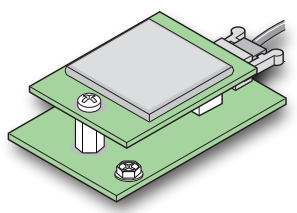


11 Installing an Intel® Z-U130 Value Solid State Drive (optional)

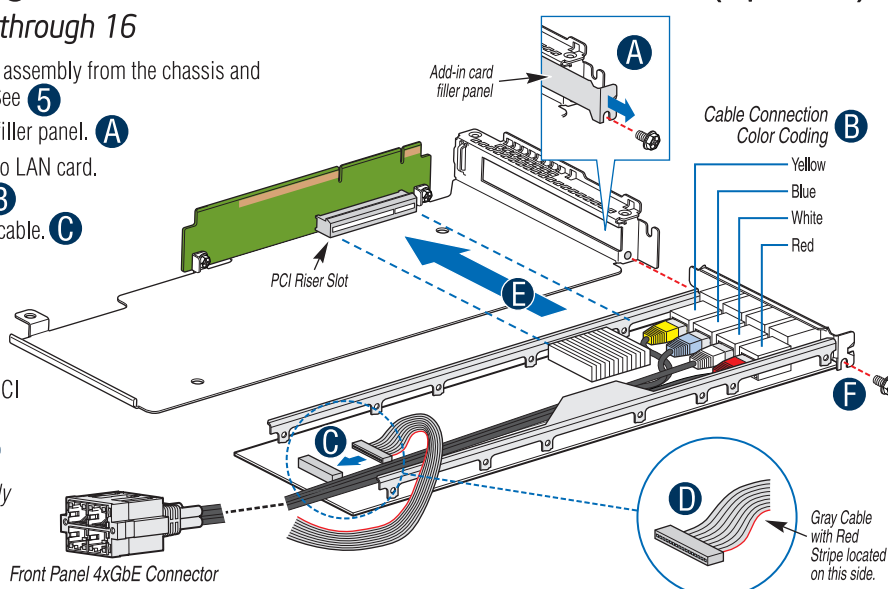


To install an optional Intel® Z-U130 Value Solid State Drive, see the Kontron IP Network Server NSW1U Product Guide on the CD accompanying your system.

12 Installing a 4xGbE LAN Card for Front Panel Access (Optional) Steps 12 through 16

- Remove the PCI riser assembly from the chassis and lay it upside down. See 5.
- Remove add-in card filler panel. A
- Connect four cables to LAN card. Note color coding. B
- Connect LED ribbon cable. C
- Install LAN card into PCI Riser assembly slot. E
- Secure LAN card to PCI Riser assembly with screw as shown. F

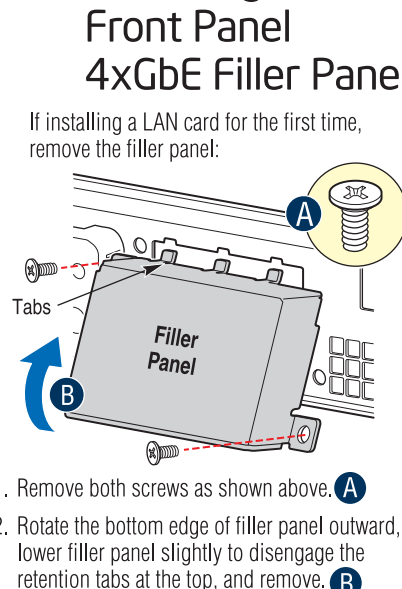
Note: Follow steps exactly for ease of installation.



13 Removing the Front Panel 4xGbE Filler Panel

If installing a LAN card for the first time, remove the filler panel:

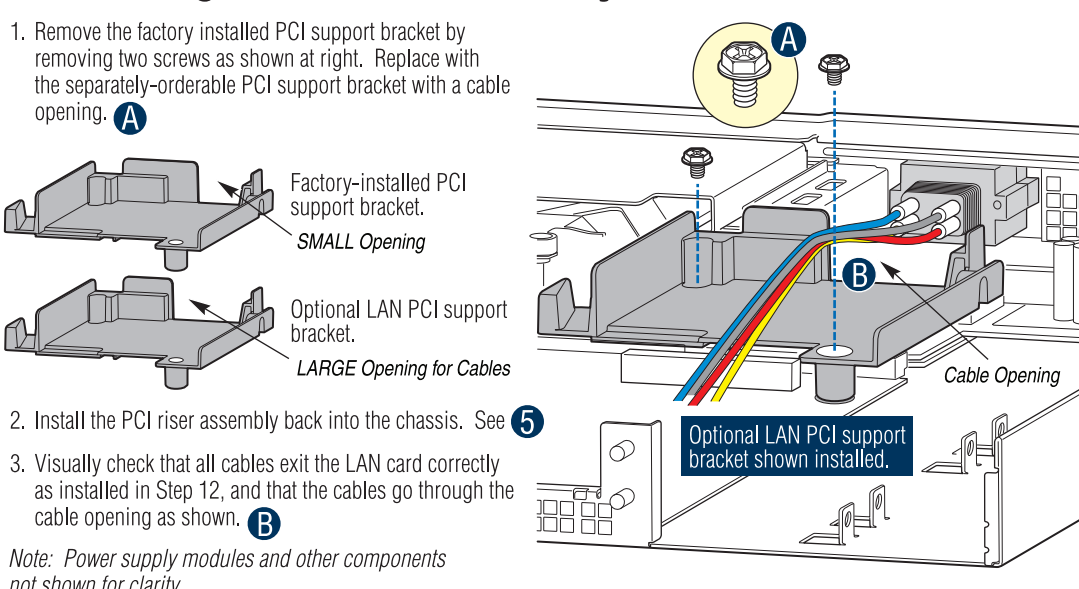
- Remove both screws as shown above. A
- Rotate the bottom edge of filler panel outward, lower filler panel slightly to disengage the retention tabs at the top, and remove. B



14 Routing the Cables within the System

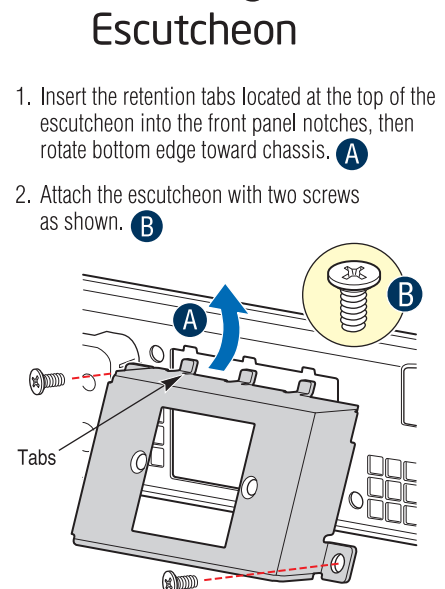
- Remove the factory installed PCI support bracket by removing two screws as shown at right. Replace with the separately-orderable PCI support bracket with a cable opening. A
- Install the PCI riser assembly back into the chassis. See 5
- Visually check that all cables exit the LAN card correctly as installed in Step 12, and that the cables go through the cable opening as shown. B

Note: Power supply modules and other components not shown for clarity.



15 Attaching the Escutcheon

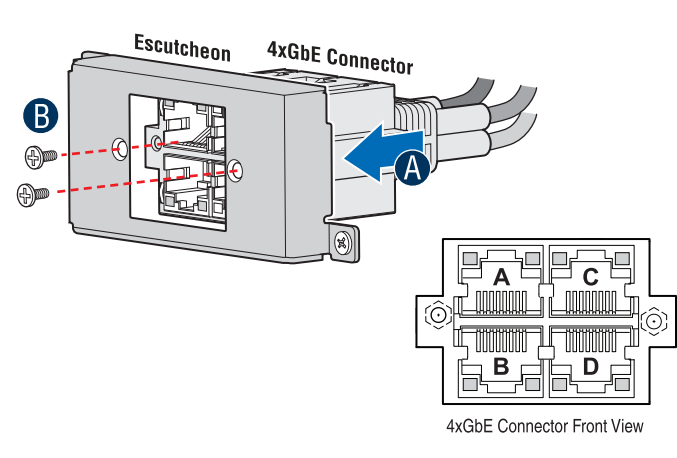
- Insert the retention tabs located at the top of the escutcheon into the front panel notches, then rotate bottom edge toward chassis. A
- Attach the escutcheon with two screws as shown. B



16 Installing the GbE Connector in the Front Panel Escutcheon

Front panel sheet metal NOT SHOWN for clarity.

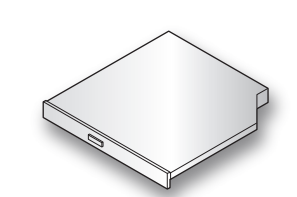
- Insert connector from back side of front panel as shown. Note that when viewed from the front, each port is assigned a letter. Install into escutcheon with letters reading as shown at right. DO NOT install upside down. A
- Attach the GbE connector with two screws using a small Phillips screwdriver. B



4xGbE Connector Front View

17 Installing an Optical Device (optional)

To install an optional optical device, see the Kontron IP Network Server NSW1U Product Guide on the CD accompanying your system.



18 Installing Intel® Remote Management Modules (Optional)

Remove Module Filler Panel

Prior to installing the Intel® RMM Modules, you must remove the matching module filler panel.

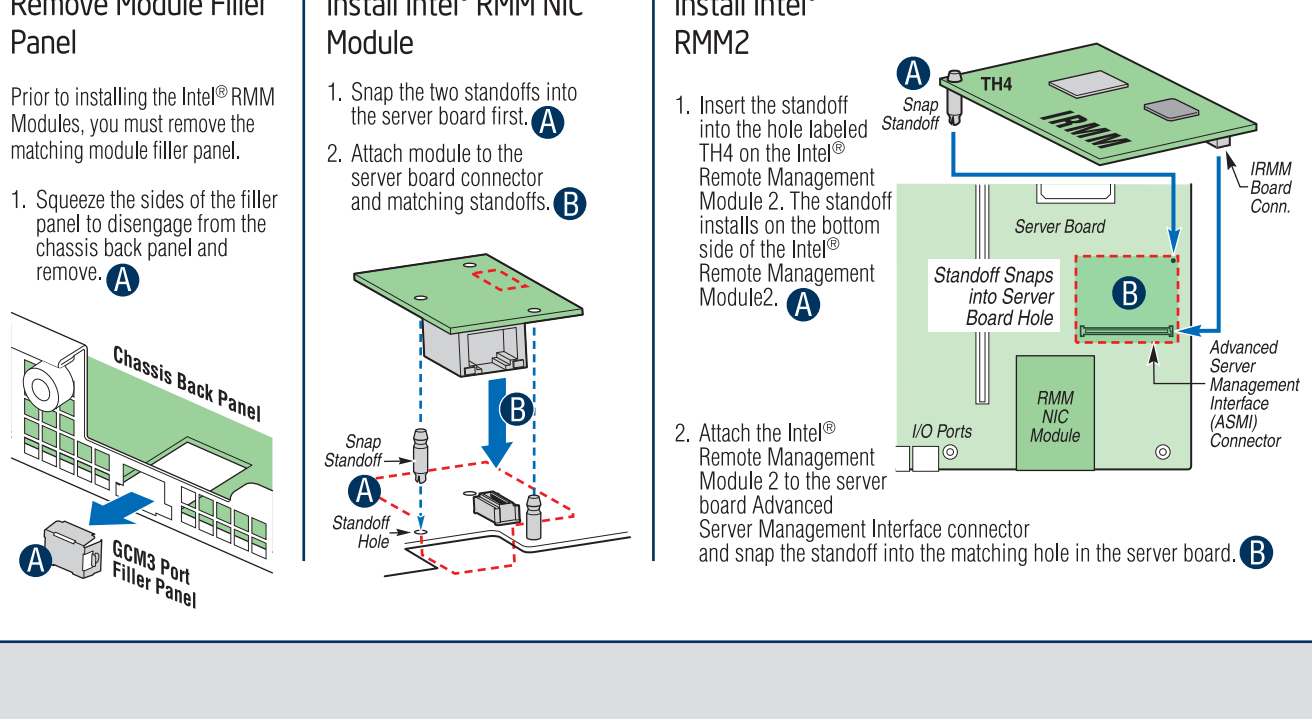
- Squeeze the sides of the filler panel to disengage from the chassis back panel and remove. A

Install Intel® RMM NIC Module

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

Install Intel® RMM2

- 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 Module2. A
- 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

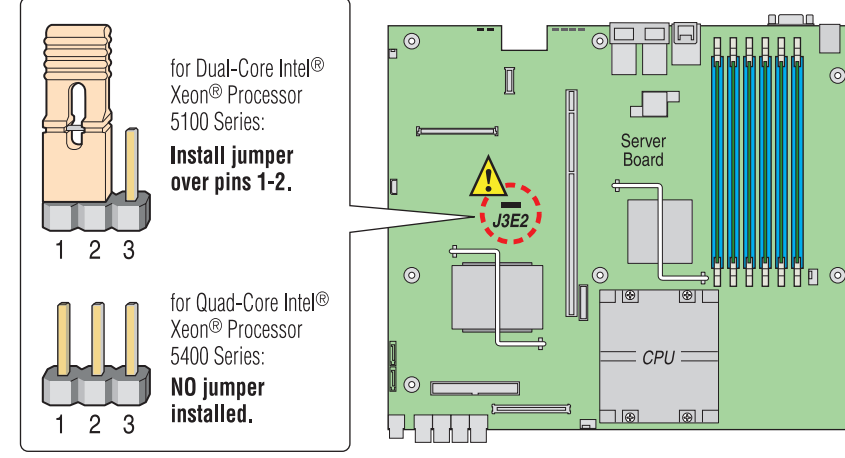


19 Setting the Processor Type Jumper

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

for Dual-Core Intel® Xeon® Processor 5100 Series: Install jumper over pins 1-2.

for Quad-Core Intel® Xeon® Processor 5400 Series: NO jumper installed.



Reference

Server System Cabling and Component Diagram

CAUTION: 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

- PDB Power Harness
- SFP Power Conn.
- Flex Cable Conn.
- SATA HDD 1
- Fan 3 Power
- Fan 2 Power
- Fan 1 Power
- SATA HDD Power
- SATA HDD 0
- VSS* Interface Connector (data and power)
- Fan 4 Power

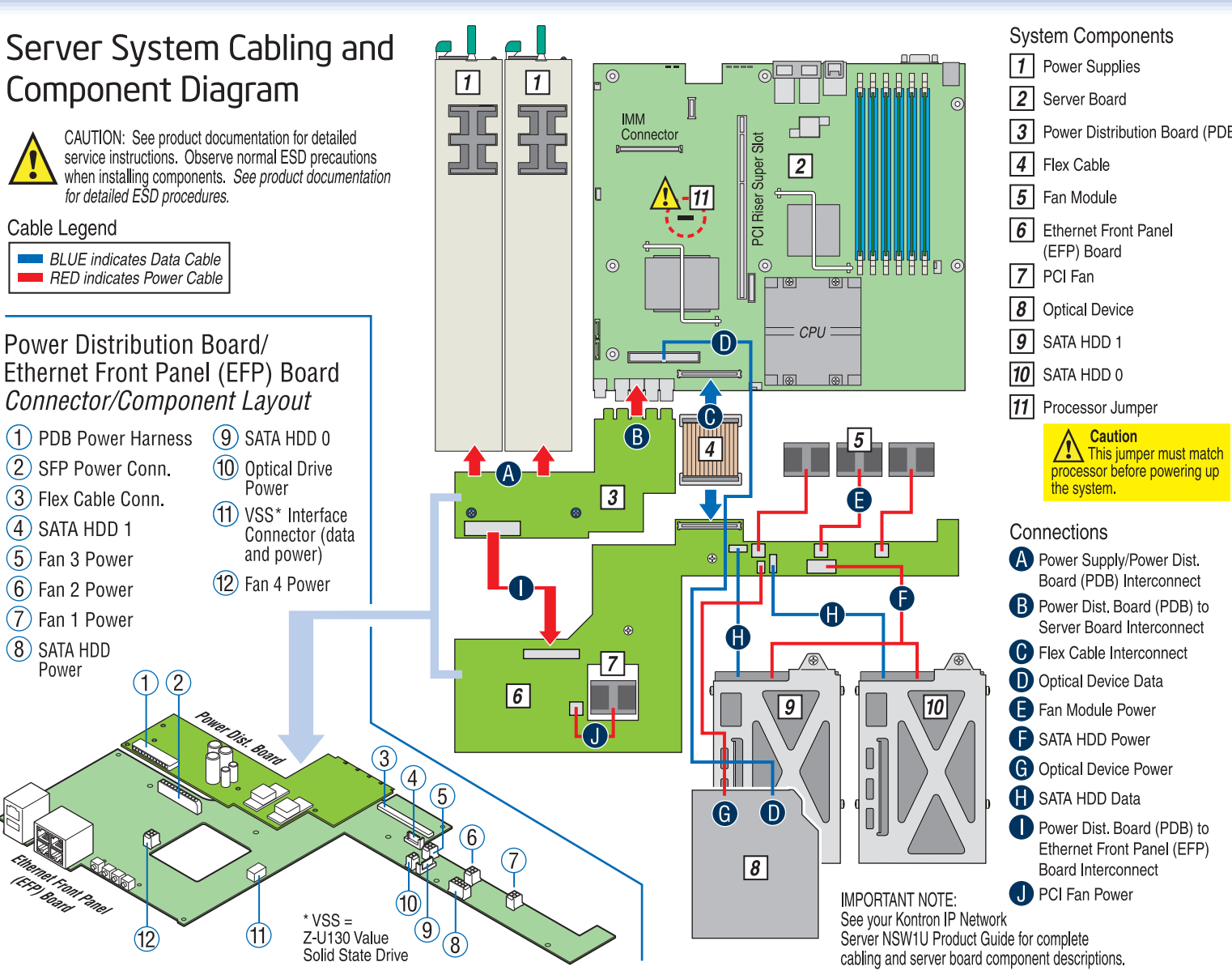
System Components

- Power Supplies
- Server Board
- Power Distribution Board (PDB)
- Flex Cable
- Fan Module
- Ethernet Front Panel (EFP) Board
- PCI Fan
- Optical Device
- SATA HDD 1
- SATA HDD 0
- Processor Jumper

Connections

- Power Supply/Power Dist. Board (PDB) Interconnect
- Power Dist. Board (PDB) to Server Board Interconnect
- Flex Cable Interconnect
- Optical Device Data
- Fan Module Power
- SATA HDD Power
- Optical Device Power
- SATA HDD Data
- Power Dist. Board (PDB) to Ethernet Front Panel (EFP) Board Interconnect
- 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)

Anti-static connection is available only with the bezel removed.

COM2/Serial B serial port connector RJ45

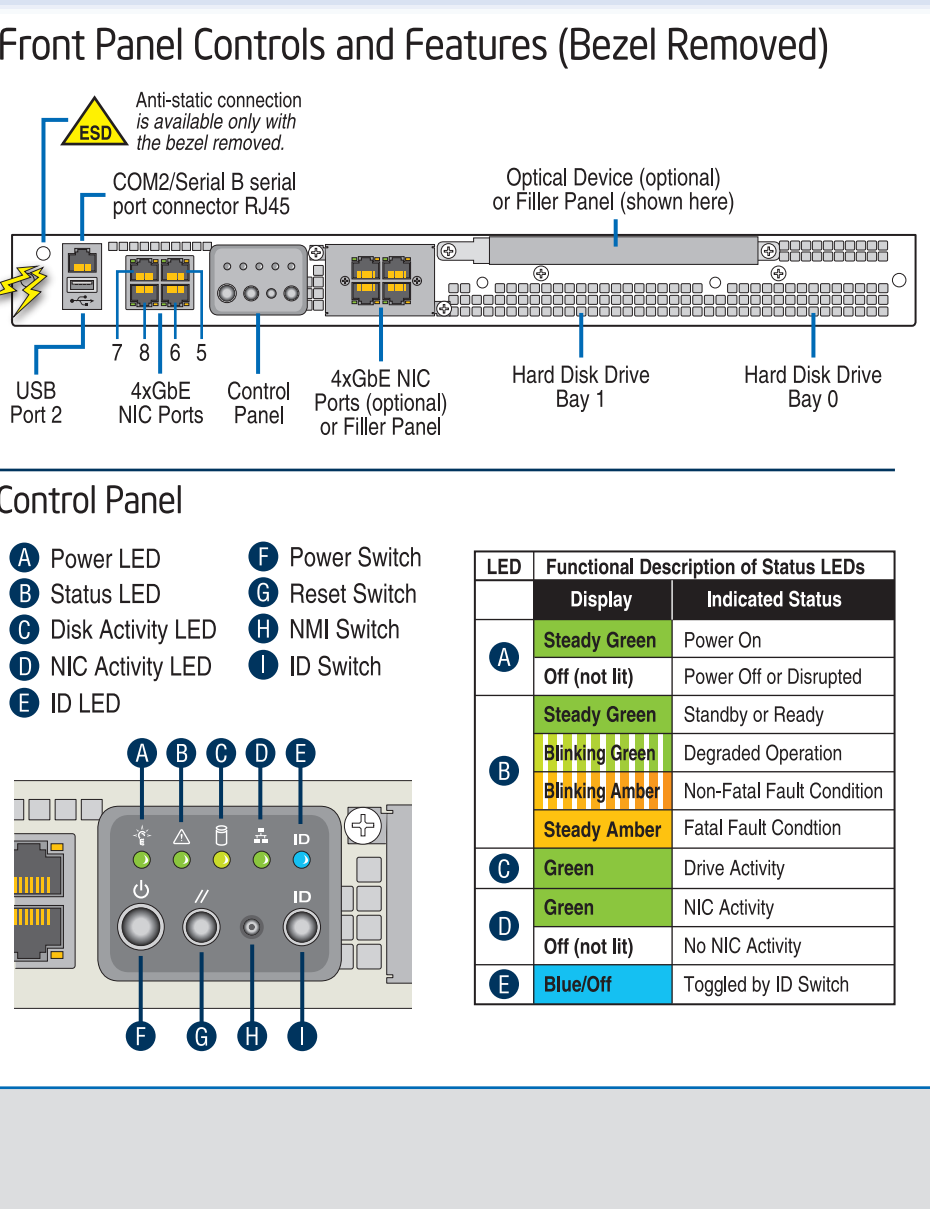
Optical Device (optional) or Filler Panel (shown here)

USB Port 2, 4xGbE NIC Ports, Control Panel, Hard Disk Drive Bay 1, Hard Disk Drive Bay 0

Control Panel

- Power LED
- Status LED
- Disk Activity LED
- NIC Activity LED
- ID LED
- Power Switch
- Reset Switch
- NMI Switch
- ID Switch

LED	Functional Description of Status LEDs
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 Condition
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

