

N60E-O Quick Start User Guide

Thank you for buying the Giada Server Board N60E-O. The following information will help you integrate your new server board into a server chassis.

Giada, the premium brand of SHENZHEN JEHE TECHNOLOGY DEVELOPMENT CO.,LTD., is a well-established provider of server products designed for data storage, cloud computing, video surveillance and cloud computing applications etc., and has received great popularity among industrial and home users. Giada is committed to providing high performance and highly reliable server products. This user manual provides detailed information for better understanding about the product and its usage. Should you have any further questions, please don't hesitate to call our after-sales hotline or technical support hotline.

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Minimum Hardware Requirements

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

- Memory Type: Minimum of one 4GB DDR4 1600/1866/2133/2400 MHz UDIMM/RDIMM.

Tools Required

- Flat-blade screwdriver
- Phillips® screwdriver
- Anti-static wrist strap

Fastener Identification Guide

Giada Server Board N60E-O Layout Diagram

1 Preparing the Chassis

Please refer to the documentation that came with your chassis for preparatory steps. Observe normal ESD (Electrostatic Discharge) procedures. Place your Server Chassis and Server Board on a flat anti-static surface to perform the following integration procedures. Always touch the chassis frame first, before reaching inside to install the server board, make server board connections or install other components.

2 Installing the I/O Shield and Chassis Screw Stand-offs

A Insert one side edge of shield as shown.

B Push shield firmly into chassis opening until it clicks into place.

C Install the chassis screw stand-offs. If installing the server board inside a Server Chassis, the stand-off for the server board mounting screws come with chassis must be installed first. the server board has mounting screw holes as indicated by **A**...**Z**. Please install the chassis stand-offs to the chassis locations indicated by same marks.

Warning

Read all caution and safety statements in this document before performing any of the instructions.

Warning

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

3 Install the Server Board

IMPORTANT NOTE: Please see your chassis documentation for preparatory steps prior to server board installation.

A. Insert the Server Board
 Place the board into the chassis, making sure that back panel I/O openings and chassis standoffs align correctly. Insert the front of the board first, then slide the board back so the I/O connectors fit through the I/O openings at the rear of the chassis.

B. Attach the Server Board
 Use screws to attach the board to the chassis at the 6 locations indicated by the solid blue arrows in the figure.

4 Install DIMM Memory Modules

CAUTION: Observe normal ESD (ElectroStatic Discharge) procedures to avoid possible damage to system components.

This server board supports up to 4 DDR4 1600/1866/2133 /2400 MHz UDIMM/RDIMM.

Memory Configurations and Population Order:

Memory Type: Minimum of one 4GB DDR4 1600/1866/2133/ 2400 MHz UDIMM/RDIMM.

5 Make Server Board Power Connections

A Attach the CPU power connector.

B Attach the main power connector.

CAUTION: Note the location of the latch on each power cable connector and align it with the matching tab on each server board socket.

IMPORTANT NOTE: Please see the documentation that came with your chassis for power supply installation information.

6 Install Optical Drive and Hard Drive(s)

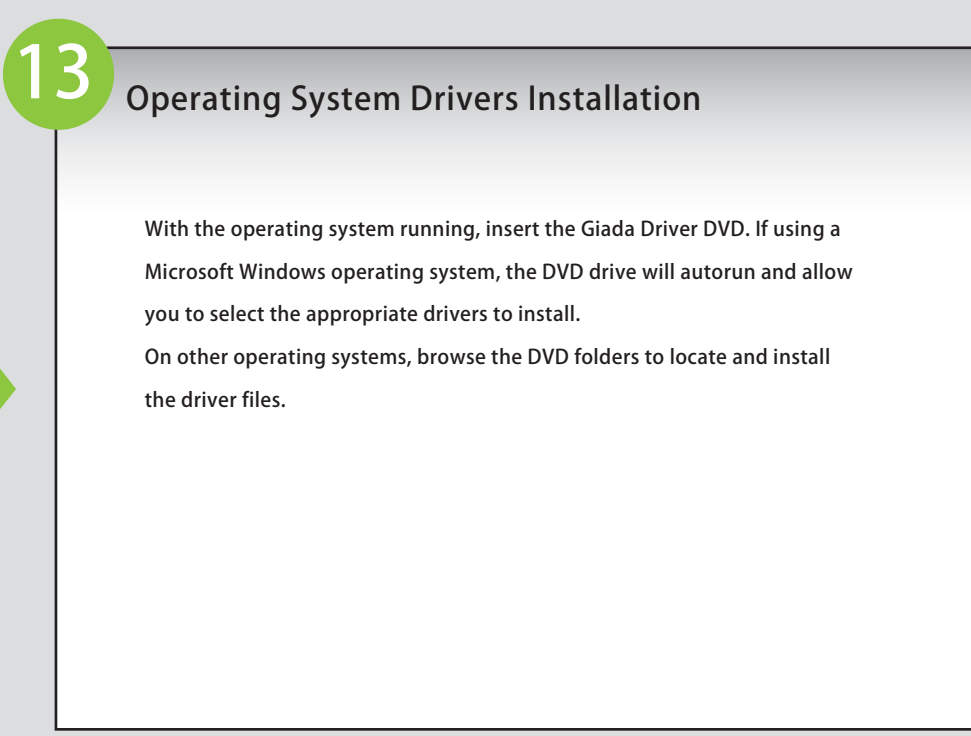
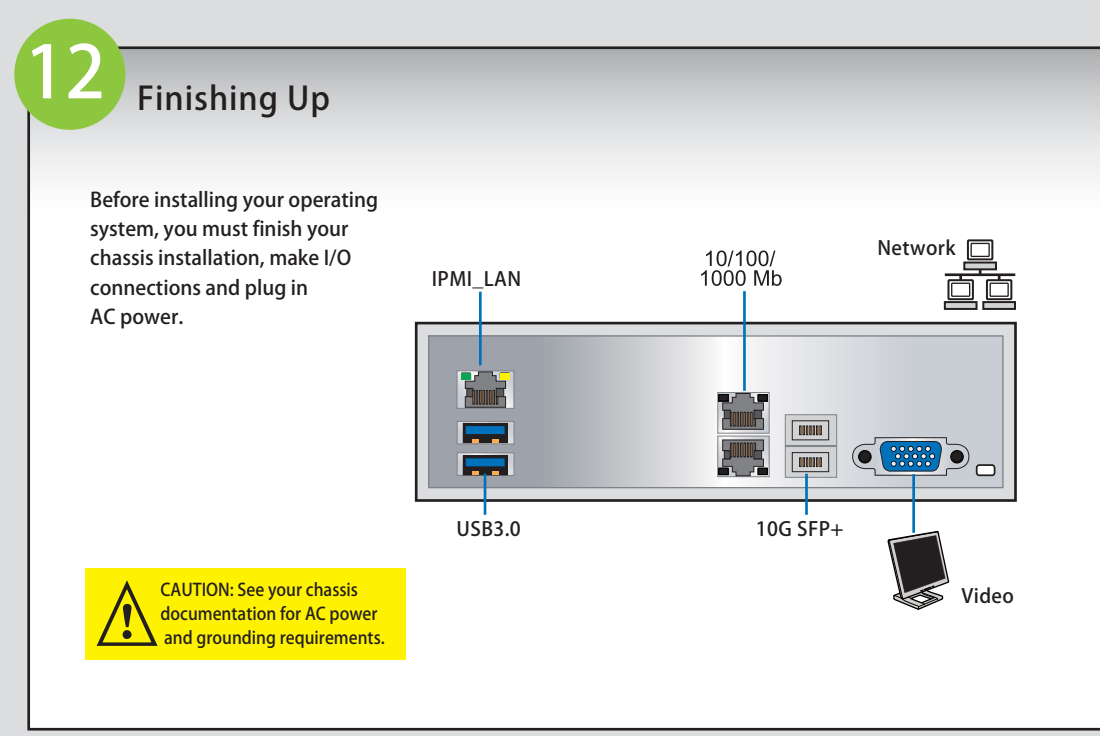
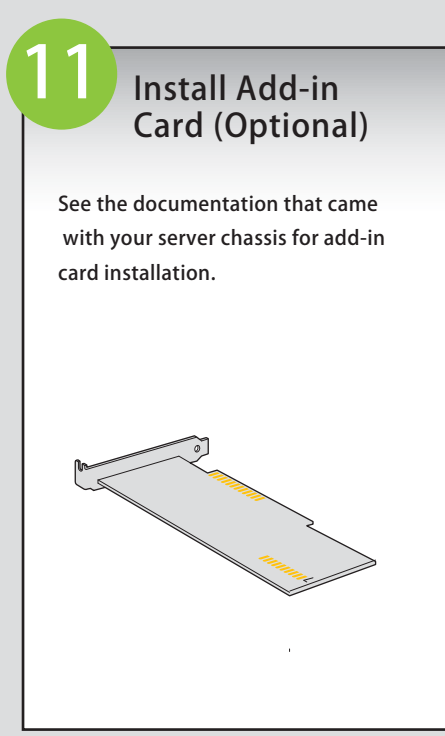
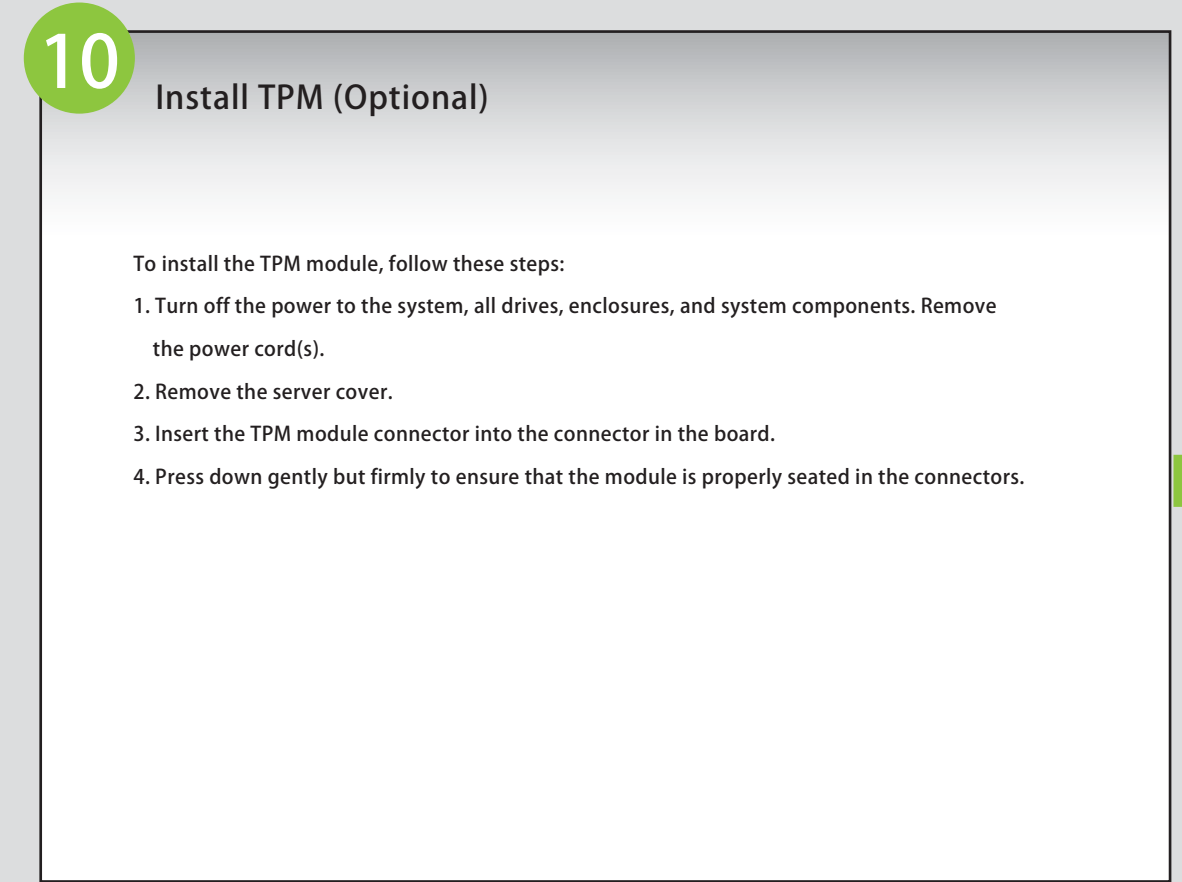
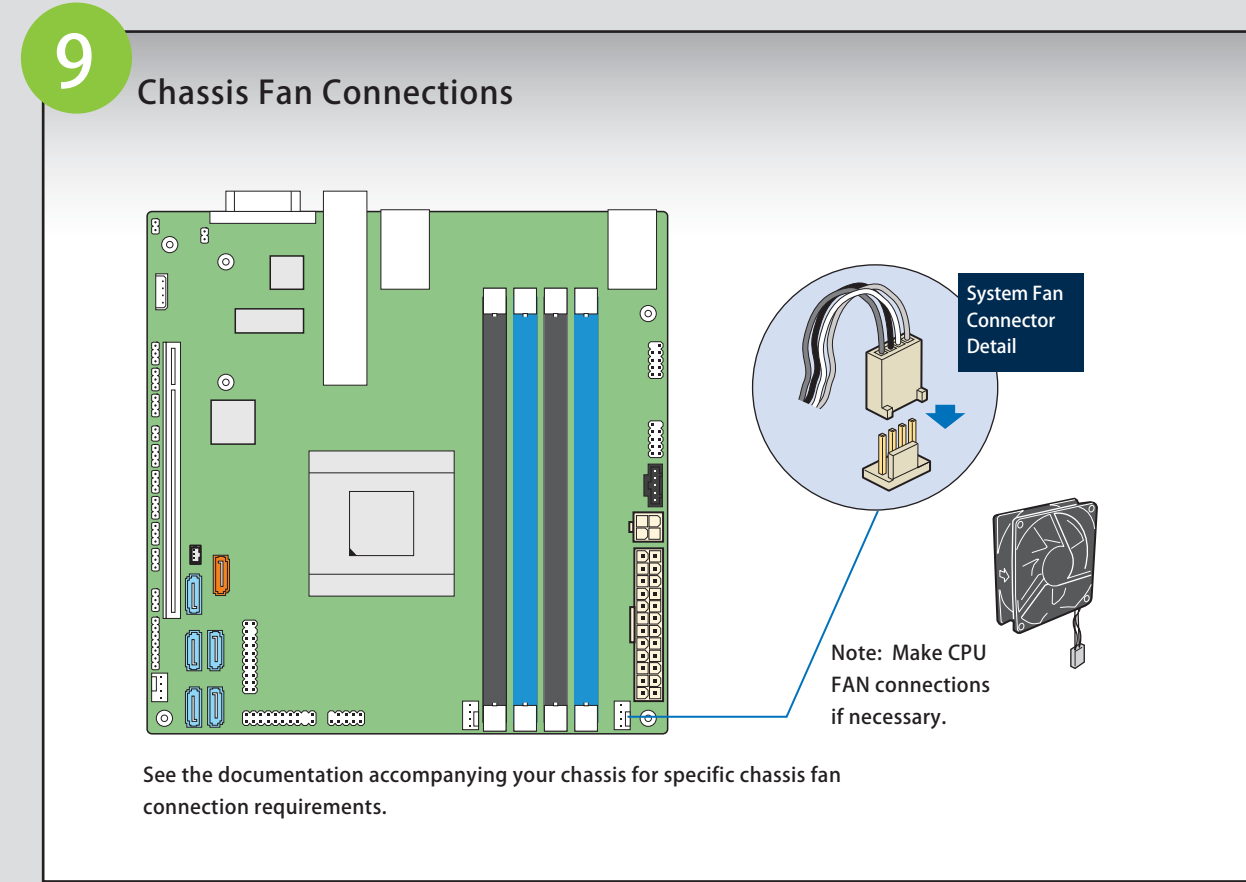
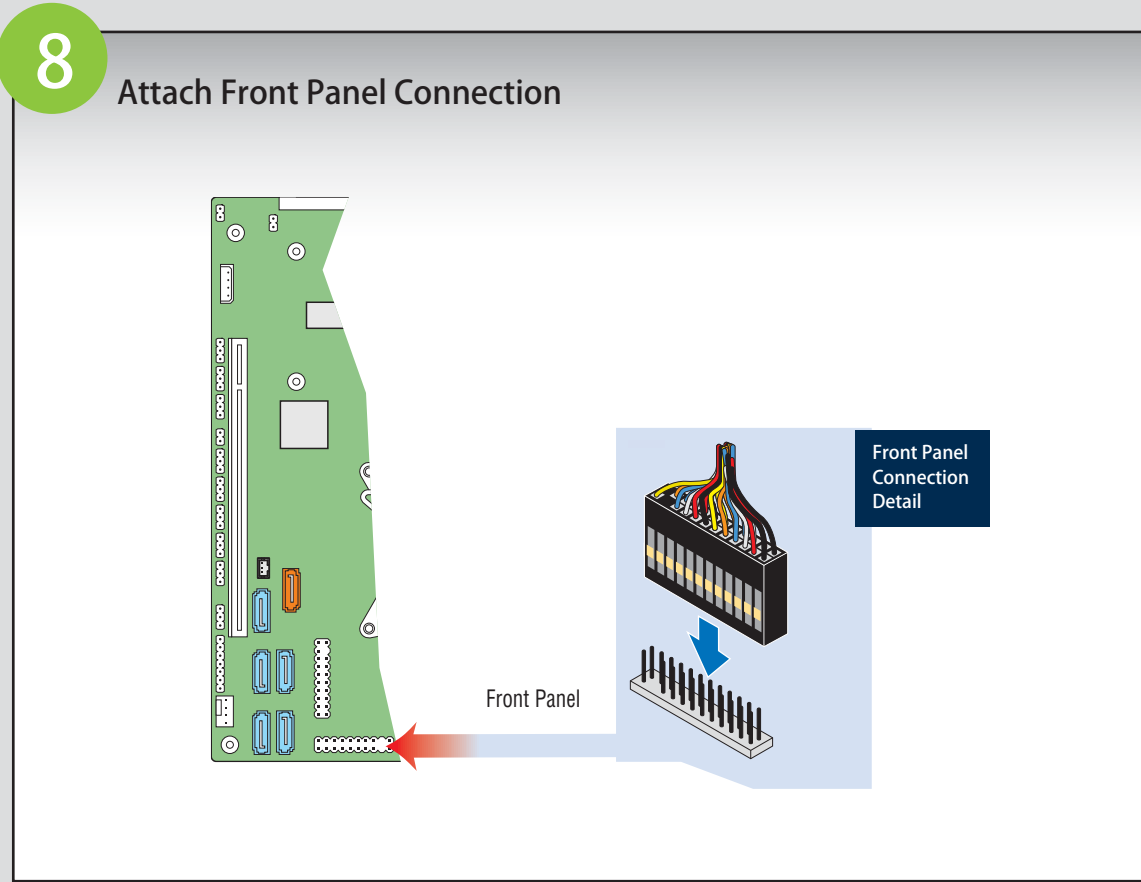
See the documentation that came with your server chassis for drive installation.

7 Connect Hard Drives/Optical Drive to Server Board

Connect SATA Data Cables to server board here.

SATA 5
 SATA 4
 SATA 3
 SATA 2
 SATA 1
 SATA 0

All SATA ports are 6Gb/s SATA ports.



Common Problems and Solutions

The system does not boot or show video at power-on stage.

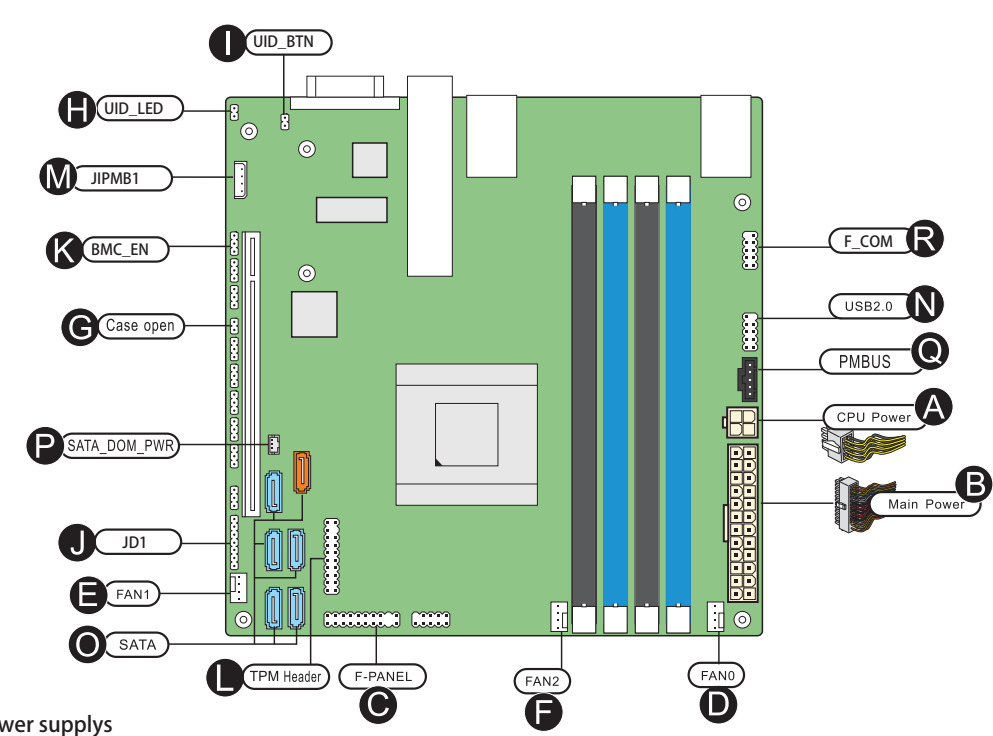
- Check that the +12V CPU power connector is plugged in. Without this cable, the processors will not have any power.

Remember, all DIMMs must be:

- DDR4 1600/1866/2133/2400 MHz UDIMM/RDIMM.
- From the same manufacturer.
- Installed beginning with DIMM A1.

Making Connections to the Server Board — Quick Reference

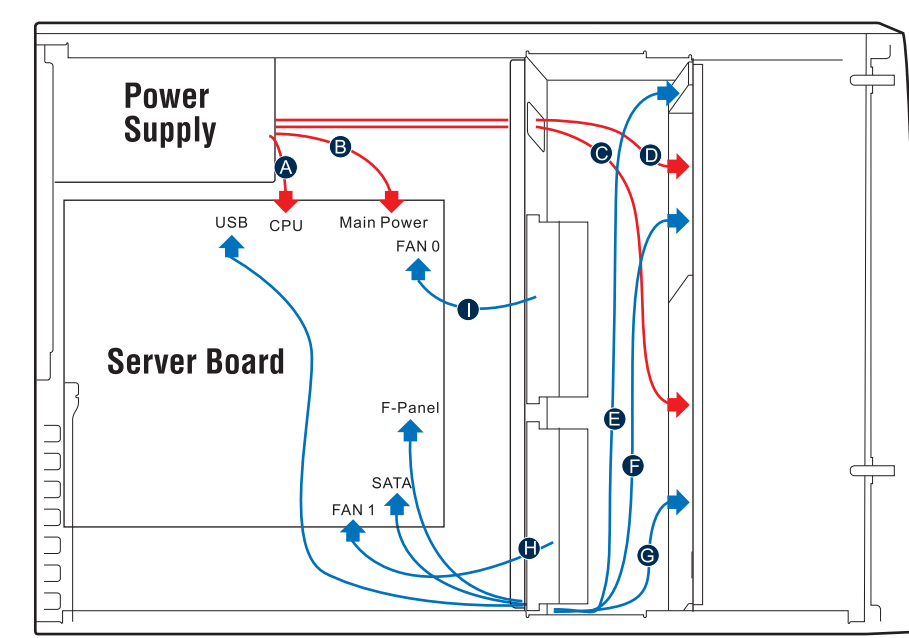
Required Connections	Chassis
A. CPU Power Connector	■
B. Main Power Connector	■
C. Front Panel Header	■
■ = Make this connection	
Optional Connections	Chassis 1 Chassis 2
D. Fan 0 Header	■ ■
E. Fan 1 Header	■ ■
F. Fan 2 Header	■ ■
G. Case Open Header	■ ■
H. UID_LED Header	■ ■
I. UID_BTN Header	■ ■
J. JD1 Header	■ ■
K. BMC_EN Header	■ ■
L. TPM Header	■ ■
M. JIPMB1 Connector	■ ■
N. USB 2.0 Header	■ ■
O. SATA Connector	■ ■
P. SATA DOM_PWR Connector	■ ■
Q. PMBUS Connector	■ ■
R. F_COM Header	■ ■



NOTE: Not all optional connections are shown in this diagram.

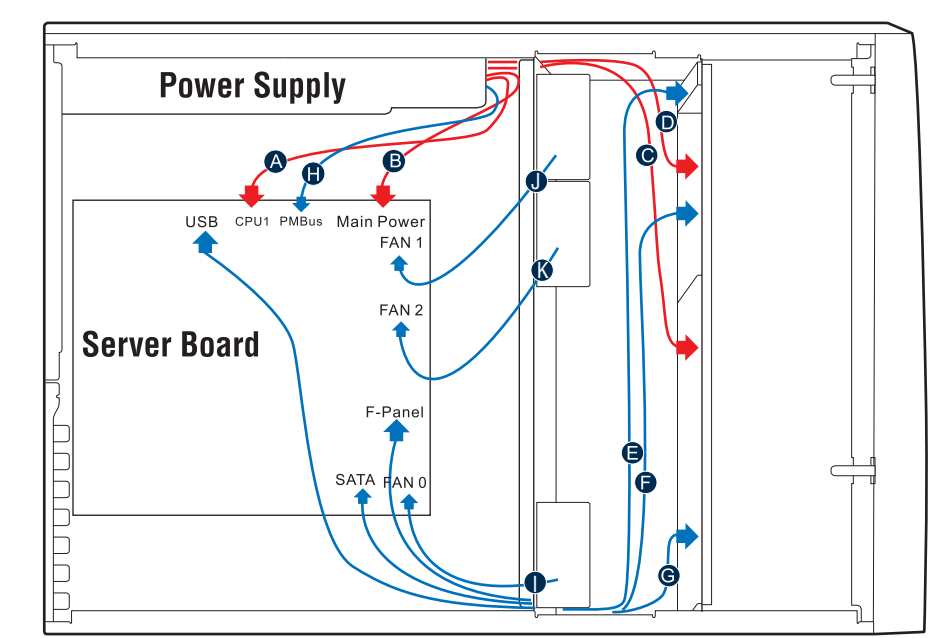
IMPORTANT NOTE: Cables should be tied for better airflow. Use cable-ties as necessary.

Chassis 1: Cable Routing with Fixed Fans, Fixed HDDs, Fixed PSU



- A CPU Power Cable
- B Server Board Main Power Cable
- C Fixed HDD Power Cable
- D ODD Power Cable
- E Front Panel Cable, USB Cable
- F ODD Data Cable (Connect To SATA 6G Connectors On Server Board)
- G Fixed HDD Data Cable
- H System FAN 1
- I System FAN 0

Chassis 2: Cable Routing with Hotswap Fans, backplane(s), redundant PSU(s)



- A CPU Power Cable
- B Server Board Main Power Cable
- C Backplane Power Cable
- D ODD Power Cable
- E Front Panel Cable, USB Cable
- F ODD Data Cable (Connect To SATA 6G Connectors On Server Board)
- G SGPIO
- H PMBus Cable
- I System FAN 0
- J System FAN 1
- K System FAN 2