



OPEN Industry Standard, Flexible Architecture

GREEN Less Heat, Less Power Consumption

STABLE Robust Design, Quality Parts

Stable and
Reliable Solution

Server/Workstation
Motherboard

1U12E-EGS2

1U12E-EGS2/EVAC

User Manual

English



Version 2.13

Published Nov. 2025

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CALIFORNIA, USA ONLY

The Lithium battery adopted on this server motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.

“Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate”

ASRock Rack’s Website: www.ASRockRack.com

Setting up the Server in a Restricted Access Location/Restricted Access Area

- Access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.
- Access is through the use of a tool or lock and key, or other means of security, and is controlled by the authority responsible for the location.
- Leave enough clearance (25 inches in the front and 30 inches in the back of the rack) to allow the front door to be opened completely and to allow for sufficient airflow.
- This product is for installation merely in a Restricted Access Location.
- This product is not suitable for use with visual display work place devices according to §2 of the the German Ordinance for Work with Visual Display Units.
- Only skilled person and Instructed person can remove the chassis covers to access the inside of the system.

Replaceable Batteries

CAUTION

**RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS**

Warning

When removal of the chassis lid required for servicing:

- Turn off power and unplug any power cords/cables, and
- Reinstall the chassis lid before restoring power.



Important Safety Instructions

Pay close attention to the following safety instructions before performing any of the operation. Basic safety precautions should be followed to protect yourself from harm and the product from damage:

- Operation of the product should be carried out by suitably trained, qualified, and certified personnel only to avoid risk of injury from electrical shock or energy hazard.
- Disconnect the power cord from the wall outlet when installing or removing main system components, such as the server motherboard and power supply unit.
- Place the system on a stable and flat surface.
- Use extreme caution when working with high-voltage components.
- When handling parts, use a grounded wrist strap designed to prevent static discharge.
- Keep the area around the system clean and clutter-free.
- Keep all components and printed circuit boards (PCBs) in their antistatic bags when not in use.
- Handle a board by its edges only; do not touch its components, peripheral chips, memory modules or contacts.
- The power cord must be connected to a socket or outlet with a ground connection.

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Chapter 1 Introduction

Thank you for purchasing 1U12E-EGS2 or 1U12E-EGS2/EVAC, a reliable barebone system produced under ASRock Rack's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock Rack's commitment to quality and endurance.

This guide provides the instructions of insertion and extraction of chassis components, such as chassis covers, system fans, power supplies, hard drive trays, and other main components this system supports. If the system is pre-installed a server motherboard, refer to the server motherboard user manual for the information of the server motherboard components, specifications and BIOS settings.

System	ASRock Rack Server Motherboard
1U12E-EGS2	SP2C741D32TM3/1U12E
1U12E-EGS2/EVAC	SP2C741D32TM3/1U12E



Because the hardware specifications might be updated, the content of this documentation will be subject to change without notice.



The illustrations shown in this manual are for reference purposes only and may not exactly match the model purchased.



If requiring technical support related to this system, please visit the website for specific information about the using model.
<http://www.asrockrack.com/support/>

1.1 Shipping Box Contents

Item	Quantity
Server Barebone: 1U12E-EGS2	1
CPU Heatsink	2
Rail Kit	1
Accessory Box	1
- 2 Power Cords	
- 2 M3 Screws for M.2	

Item	Quantity
Server Barebone: 1U12E-EGS2/EVAC	1
CPU EVAC Heatsink	2
Rail Kit	1
Accessory Box	1
- 2 Power Cords	
- 2 M3 Screws for M.2	



If any items are missing or appear damaged, contact the authorized dealer.

1.2 Specifications

1U12E-EGS2, 1U12E-EGS2/EVAC	
System	
Form Factor	1U Rackmount
Dimension	830 x 438 x 43.5mm (32.7" x 17.2" x 1.7")
Support MB	SP2C741D32TM3/1U12E
Front Panel	
Button	Power w/ LED, ID w/ LED, system reset
LED	Hard drive activity, system event
I/O Port	1 Type-A (USB3.2 Gen1)
External Drive Bay / Storage	
Front Side Drive Bay	12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays
Front Side Backplane	12-ports NVMe passive backplane
Internal Side	2 M-key (PCIe4.0 x4), support 22110/2280 form factor [CPU2]
Power Supply	
Type	1+1 CRPS
Output Watt	1000W @ 100-127Vac input* 2000W @ 200-240Vac input
Efficiency	80-PLUS Platinum
AC Input	Low-line*: 100-127Vac, 50/60Hz High-line: 200-240Vac, 50/60Hz *For 1U12E-EGS2/EVAC, full redundancy may not be supported with low-line input. Redundancy support depends on total system power consumption relative to single PSU capacity.
System Fan	
Fan	8 Easy-swap 40x56mm fans

Processor System	
CPU	Supports 5th and 4th Gen Intel® Xeon® Scalable processors
Socket	1+1 Socket E (LGA 4677)
Thermal Design Power	1U12E-EGS2: Up to 205W 1U12E-EGS2/EVAC: Up to 350W
Chipset	Intel® C741
System Memory	
Supported DIMM Quantity	16+16 DIMM slots (2DPC)
Supported Type	288-pin DDR5 RDIMM/RDIMM-3DS
Max. Capacity per DIMM	RDIMM: 96GB RDIMM-3DS: 256GB
Max. DIMM Frequency	5600MT/s* (1DPC) / 4400MT/s* (2DPC) on 5th Gen Intel® Xeon® Scalable Processors 4800MT/s* (1DPC) / 4400MT/s* (2DPC) on 4th Gen Intel® Xeon® Scalable Processors *Memory speed and capacity support vary by CPU SKU.
Voltage	1.1V
PCIe Expansion Slot	
PCIe x16	Rear: 2 FHHL PCIe5.0 x16
TPM	
TPM Support	1 (13-pin, TPM-SPI)
Ethernet	
OCP Slot	2 OCP NIC 3.0 (PCIe5.0 x16)
Server Management	
BMC Controller	ASPEED AST2600: IPMI2.0 with iKVM and vMedia support
IPMI Dedicated GLAN	1 RJ45 dedicated IPMI LAN port by Realtek RTL8211F
Graphics	
Controller	ASPEED AST2600

Rear I/O	
UID Button/ LED	1 UID button w/ LED
Display Port	1 Mini DisplayPort 1.1a
Serial Port	1 RJ45 (COM)
USB3.2 Gen1 Port	2 Type-A (USB3.2 Gen1)
RJ45	1 Dedicated IPMI
System BIOS	
BIOS Type	AMI UEFI BIOS; 512Mb SPI Flash ROM
BIOS Features	Plug and Play (PnP), ACPI 4.0 and above compliance wake up events, SMBIOS 3.4 and above, ASRock Rack Instant Flash
Hardware Monitor	
Temperature	CPU, PCH, MB, card side temperature sensing
Fan	Fan tachometer CPU quiet fan (allows chassis fan speed auto-adjust by CPU temperature) Fan multi-speed control
Voltage	1.05V_PCH, 1.8V_PCH, +BAT, PVNN_PCH, 3.3V, 5V, 12V, 3.3VSB, 5VSB, 12V, +12VSB
Environment	
Temperature	Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% (non condensing)



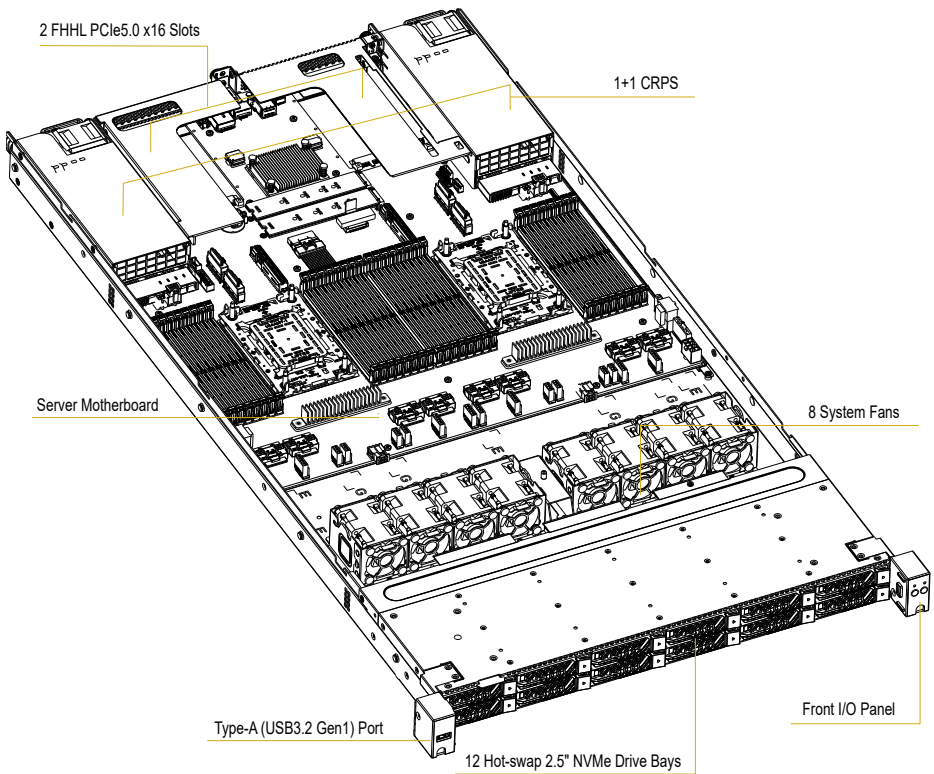
The functions are supported depending on the type of the server motherboard. Refer to the server motherboard user manual for more information.

Chapter 2 Server System Overview

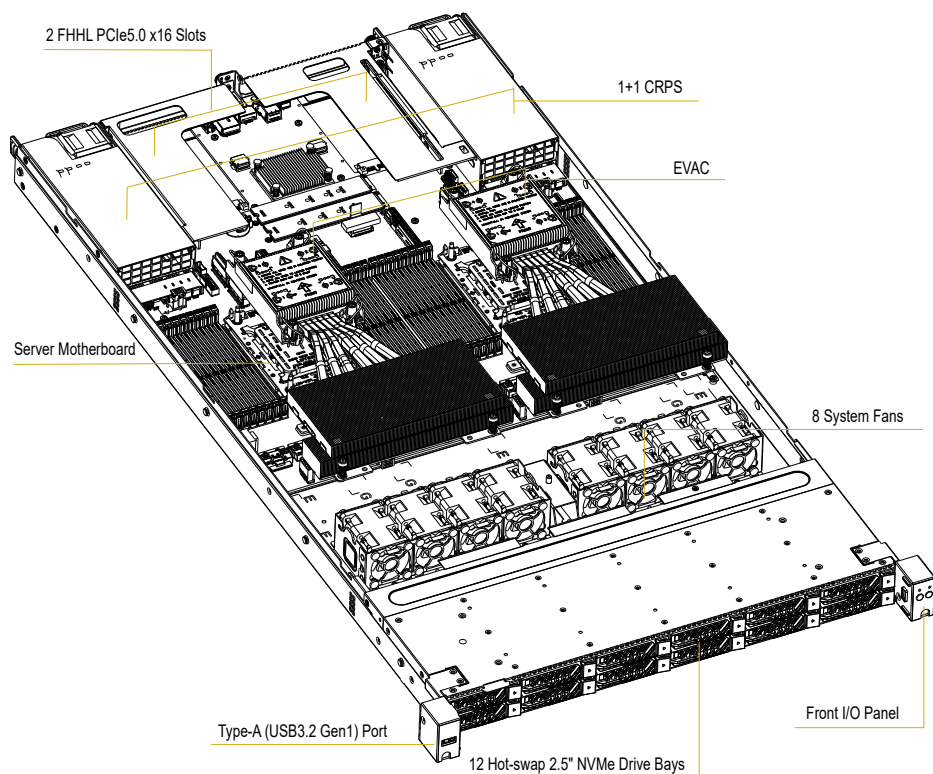
This chapter provides diagrams showing the location of important components of the server system.

2.1 System Components

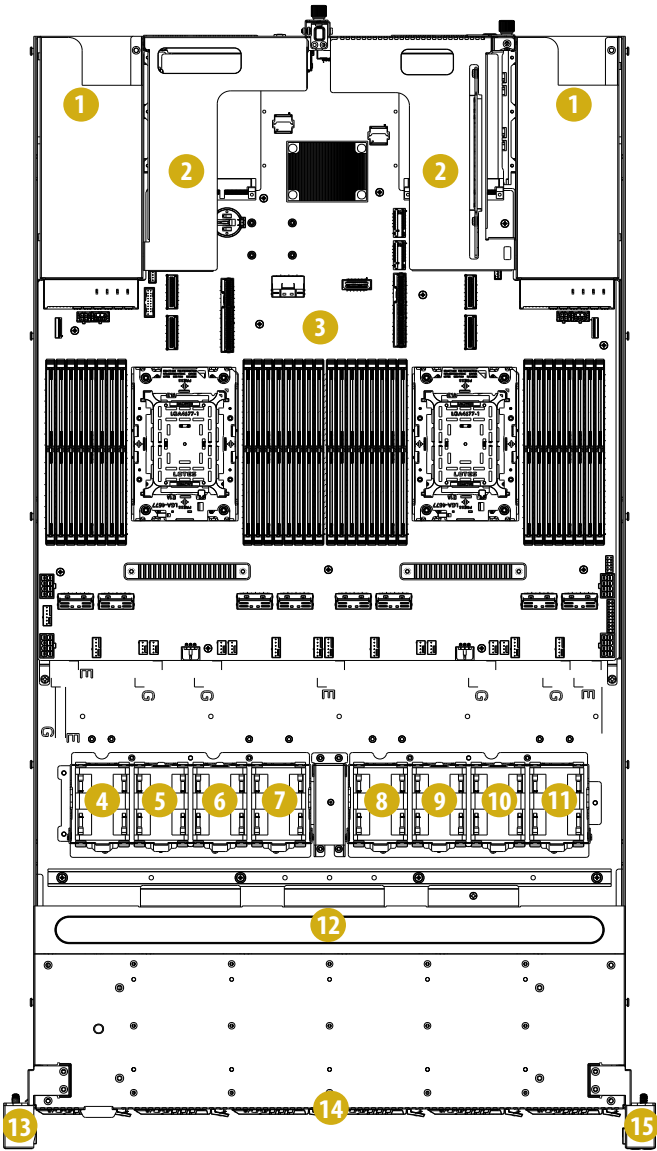
1U12E-EGS2



1U12E-EGS2/EVAC



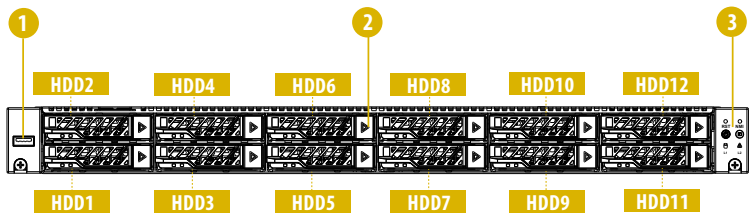
2.2 Internal Features



Note: This illustration is without EVAC. For more information about EVAC, refer to 3.7 EVAC section.

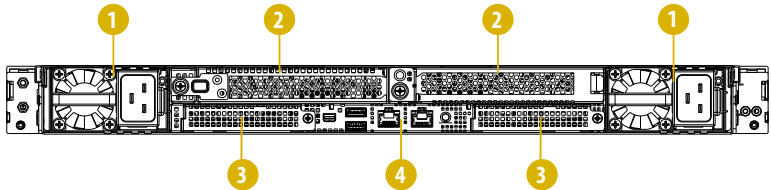
No.	Description
1	1+1 CRPS
2	2 FHHL PCIe5.0 x16 slots
3	Server motherboard
4	System fan (FAN_1)
5	System fan (FAN_2)
6	System fan (FAN_3)
7	System fan (FAN_4)
8	System fan (FAN_5)
9	System fan (FAN_6)
10	System fan (FAN_7)
11	System fan (FAN_8)
12	Hard drive backplane board (BPB)
13	1 Type-A (USB3.2 Gen1) port
14	12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays
15	Front I/O panel

2.3 System Front Panel



No.	Description
1	1 Type-A (USB3.2 Gen1) port
2	12 Hot-Swap 2.5" NVMe (PCIe5.0 x4) drive bays
3	Front I/O panel

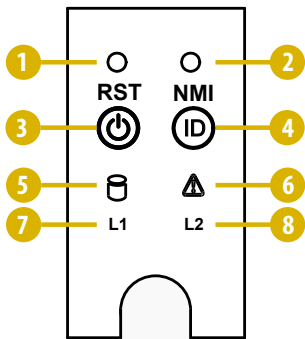
2.4 System Rear Panel



No.	Description
1	1+1 CRPS
2	2 FHHL PCIe5.0 x16 slots
3	2 OCP NIC 3.0 (PCIe5.0 x16) slots
4	Rear I/O panel (depends on the specification of the server motherboard)

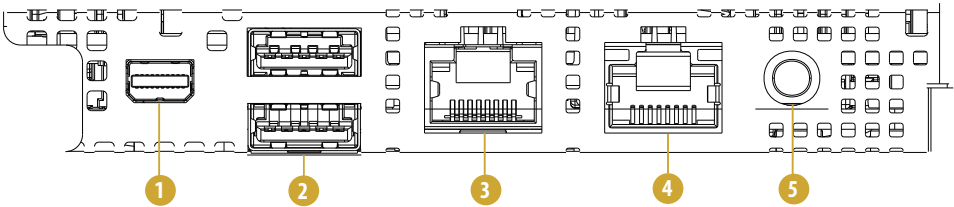
2.5 I/O Panel

Front I/O Panel



No.	Description
1	System reset button
2	NMI button (not available)
3	Power button w/ LED
4	ID button w/ LED
5	Hard drive activity LED
6	System event LED
7	LAN1 LED (not available)
8	LAN2 LED (not available)

Rear I/O Panel



No.	Description
1	Mini display port 1.1a
2	2 Type-A (USB3.2 Gen1) ports
3	RJ-45 (COM) port
4	Dedicated IPMI LAN port*
5	ID button w/ LED

System Reset Button

When the system is completely unresponsive, press the system reset button to reboot the server without shutting it off and initialize the system.

Power Button

Press the power switch button to toggle the system power on and power off modes. To remove all power from the system completely, disconnect the power cord from the server.

ID Button

Press the ID button to toggle the front panel ID LED and the baseboard ID LED on and off. Use this button to locate the server working on behind a rack of servers.

Status LED Definitions

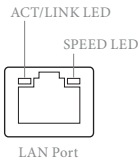
Power LED	
Status	Description
Off	Power off
Green	Power on

ID LED	
Status	Description
Off	System identification is disabled.
Blue	System identification is active.

Hard Drive Activity LED	
Status	Description
Off	Hard drive inactive
Blinking Green	Hard drive active

System Event LED	
Status	Description
Off	BMC not alert
Red	BMC alert

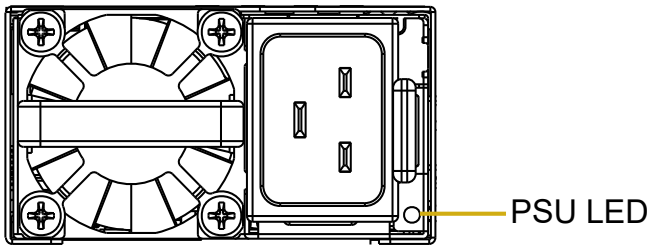
*There is an LED on each side of IPMI LAN port. Please refer to the table below for the LAN port LED indications.



IPMI LAN Port LED Indications

Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No link	Off	10Mbps connection or no link
Blinking Yellow	Data activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

2.6 PSU LED



PSU Status LED	
Status	Description
Off	No AC power to all power supplies
Green	Output ON and OK
Blinking Green (1Hz)	PSU standby state AC preset / Only +5VSB on
Blinking Green (2Hz)	Power supply FW updating (Bootloader mode)
Red	Power supply critical event causing a shutdown, failure, over current, short circuit, over voltage, fan failure, over temperature
Blinking Red (1Hz)	AC cord unplugged or AC power lost with a second power supply in parallel still with AC input power
Blinking 1 Second Red and 1 Second Green	Power supply warning events where the power supply continues to operate; high temp, high power, high current, slow fan

2.7 Hard Drive Tray LED



No.	Description
1	Hard drive tray status LED
2	Hard drive tray activity LED

LED Definitions

Status (No. 1)	Activity (No. 2)	Description
Off	Off	Drive not present
Blue	Green	Drive present (not active)
Blue	Blinking Green (4Hz)	Drive present (active)
Bliking Blue (4Hz)	Green	Locate (identify)
Red	Green	Fail
Blinking Red (1Hz)	Blinking Green (4Hz)	Rebuild

Chapter 3 Hardware Installation and Maintenance

This chapter helps user to assemble the chassis and install components.

Before You Begin

Before working with the server, pay close attention to the “Important Safety Instructions” at the beginning of this manual.



Ensure the motherboard battery is installed before unplugging the power cord or installing/removing the motherboard. Failure to follow this precaution may result in physical injury or damage to motherboard components.

1. Make sure the server is powered off.

Power down the server if it is still running.

- (1) Press the Power button to power off the server from full-power mode to standby-power (sleep) mode. The Power LED at the front turns from solid green to blinking green.
- (2) Disconnect the power cord first from the AC outlet and then from the server.
The power LED turns off.



The server is not completely powered down when pressing the Power button on the front panel. The Power button lets the server toggle between Power On and Standby (Sleep) modes. Some internal circuitry remain active in the Standby mode. To remove all power from the system completely, be sure to disconnect the power cord from the server.

2. Ensure having a clean and stable working environment. Avoid dust and dirt because contaminants may cause malfunctions.
3. Ground properly before touching any system component. A discharge of static electricity may damage components. Wear a grounded wrist strap if available.



1. Some components are already pre-installed. Simply properly connect the relevant cables before or after installation.
2. Refer to the server motherboard user manual for instructions on how to install server motherboard components.

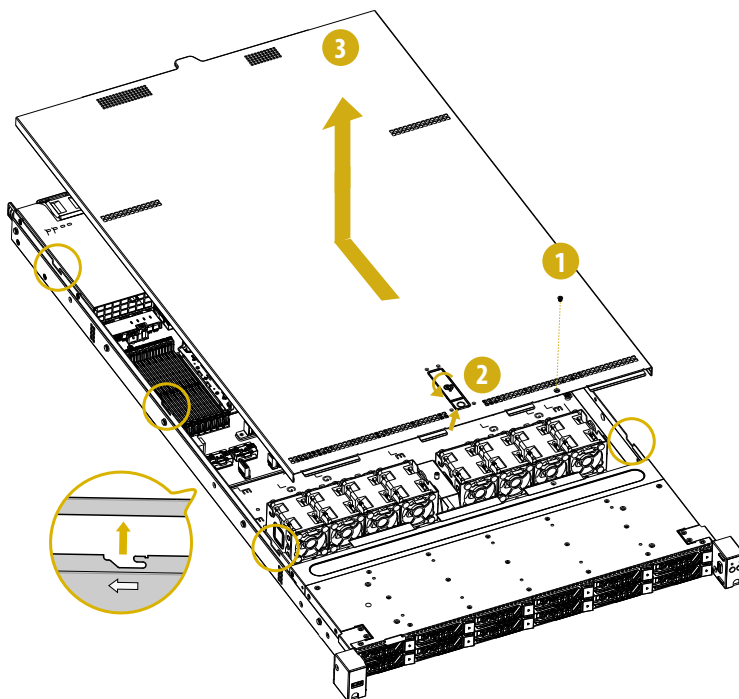
3.1 Server Top Cover

Removing the Server Top Cover

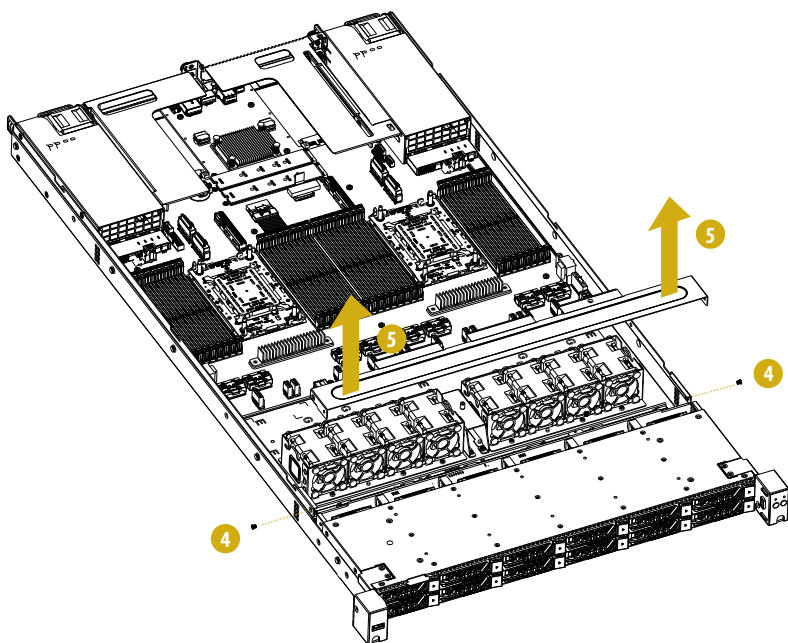


1. Before removing the top cover, power off the server and unplug the power cord.
2. The system must be operated with the chassis top cover installed to ensure proper cooling.

1. Remove the screw securing the rear top cover to the chassis.
2. Loosen the screw on the locking tab and press the button to unlock the cover.
3. Push the cover toward the REAR of the chassis to release it from the locked position.
Lift up and remove the cover.

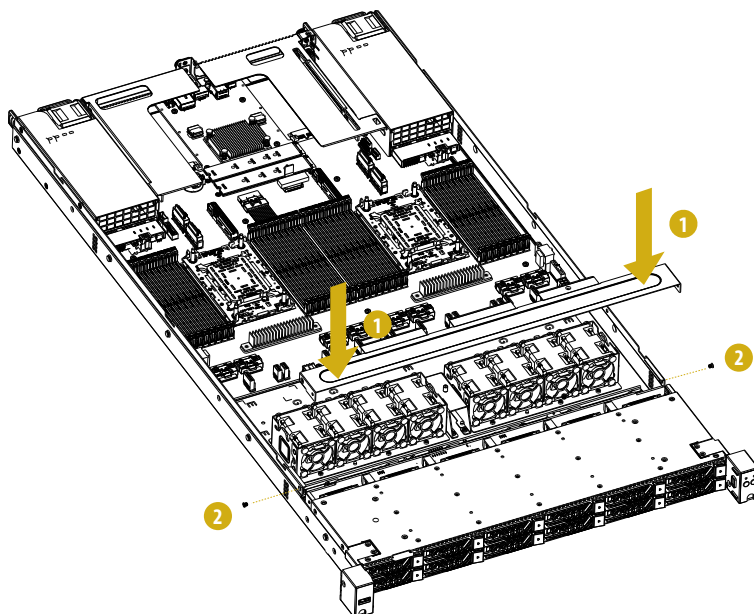


4. Remove the screws securing the hard drive backplane board cover to the chassis.
5. Lift up and remove the cover.

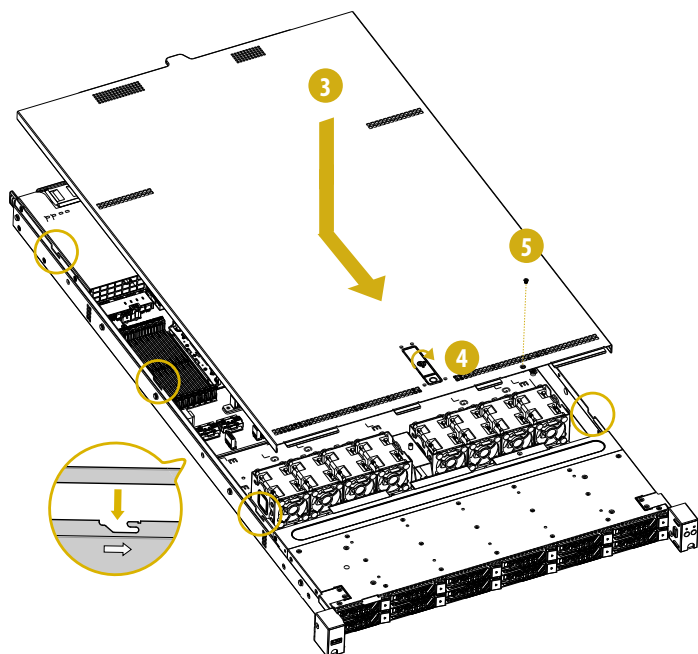


Installing the Server Top Cover

1. Align and place the hard drive backplane board cover on the chassis.
2. Secure the cover in place with screws.



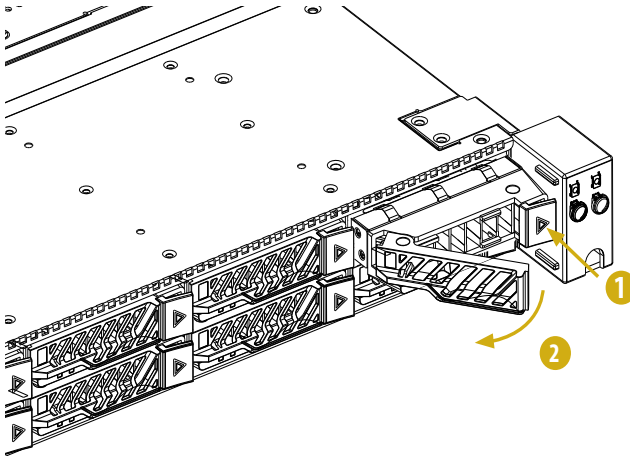
3. Lower the rear top cover on the chassis, making sure the side latches align with the cutouts. Slide the cover toward the FRONT of the chassis.
4. Press down the locking tab and tighten the screw.
5. Secure the cover in place with the screw.



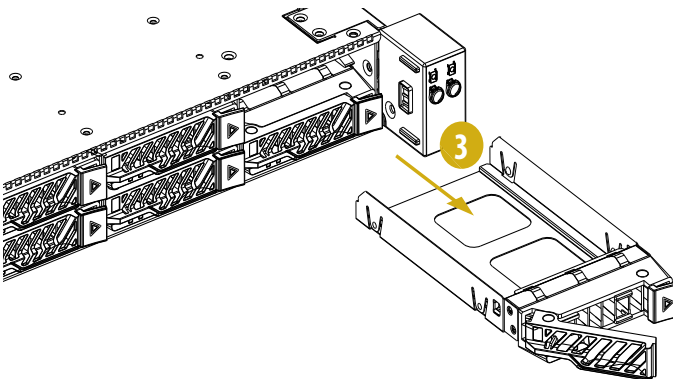
3.2 Hard Drive

Removing Hard Drive Tray from the Chassis

1. Press the locking lever latch on the drive tray to unlock the retention lever.
2. Rotate the lever out and away from the module bay.

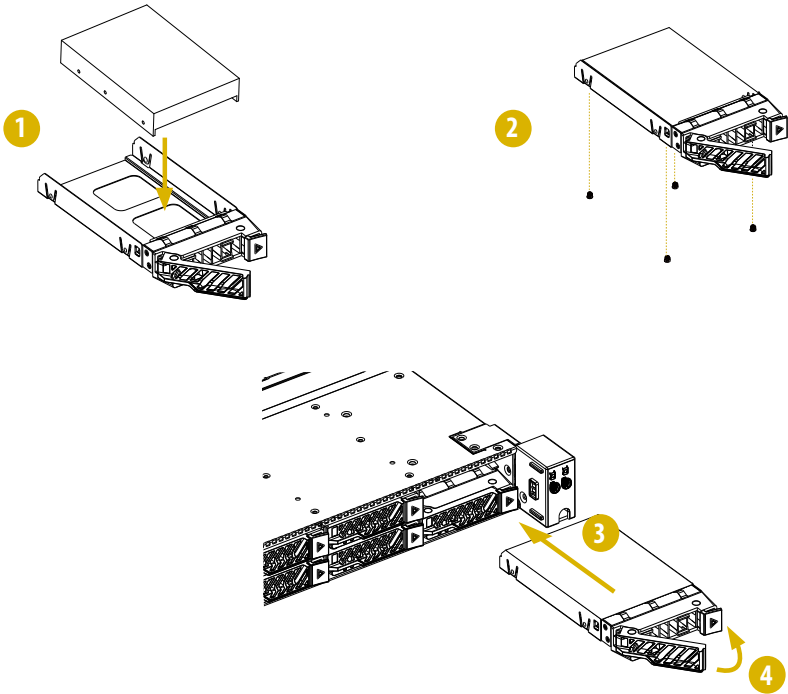


3. Pull the tray out.



Installing 2.5" Hard Drive to the Chassis

1. Place the hard drive into the tray with printed circuit board side facing down.
2. Use the screws to secure the hard drive.
3. Slide the drive tray into the bay until the drive is fully seated.
4. Push in the locking lever to lock the hard drive tray into place.



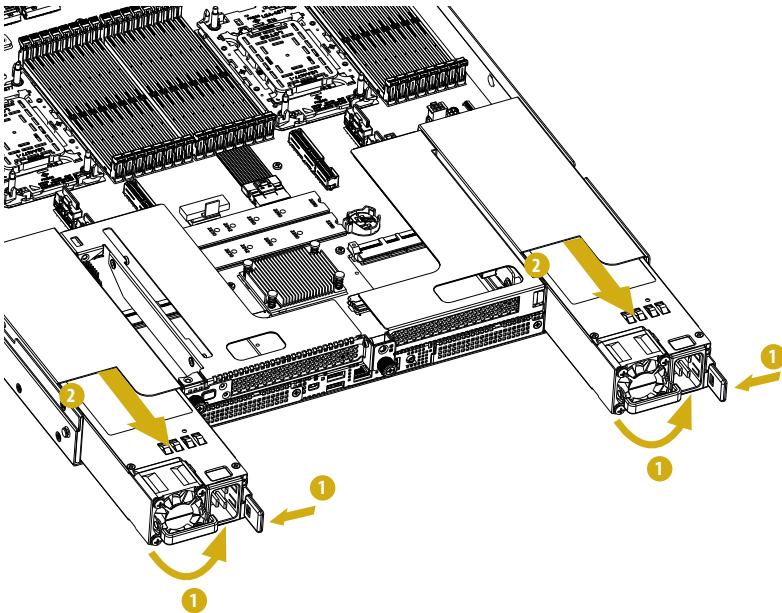
3.3 Power Supply

This system can accommodate two power supply units in the bay at the rear of the chassis. Each unit provides up to 2000W of power. One power supply unit is required for full load operation, with the other power supply unit purely as a redundant, load-sharing backup. One PSU can be removed without affecting system operation.

Removing the Power Supply Unit

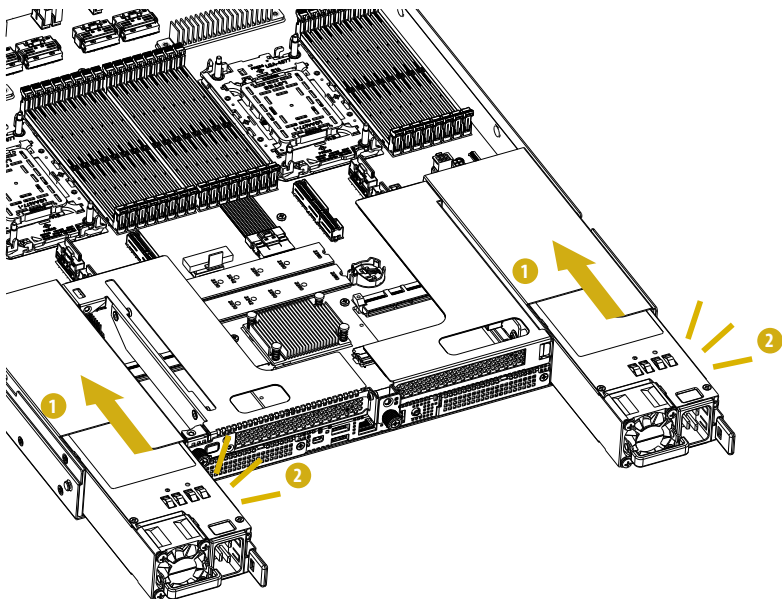
To remove a failed power supply unit, identify the failed PSU by checking the power supply LEDs on the PSUs.

1. Hold onto the power supply handle while pressing the locking lever towards the power supply handle.
2. Pull to remove the PSU from the chassis.



Installing the Power Supply Unit

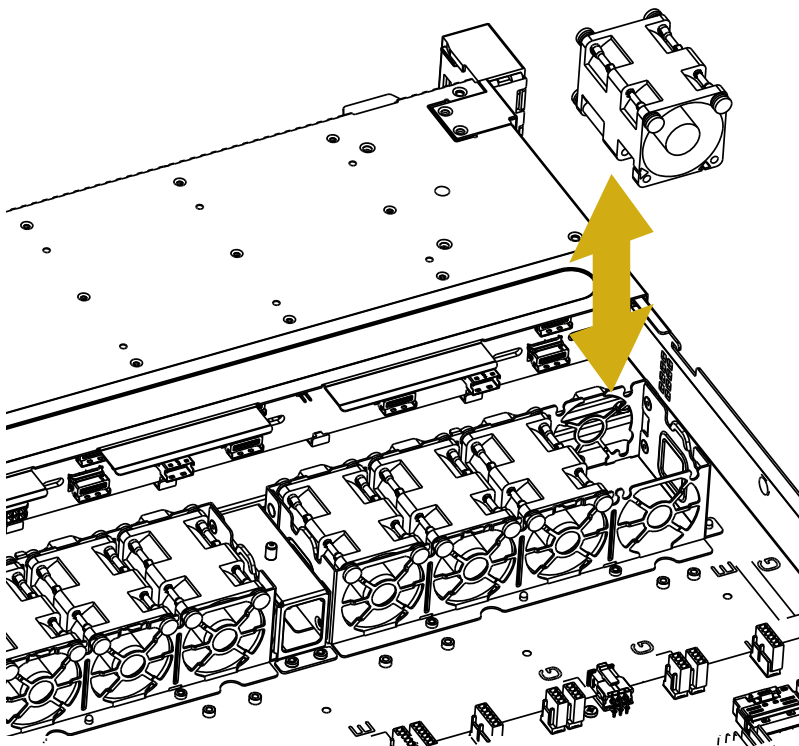
1. Align the power supply unit with the power supply bay.
2. Carefully slide the PSU all the way into the bay until the PSU clicks into place.



3.4 System Fan

Replacing System Fan

Press and hold the fan clip on to replace the fan.



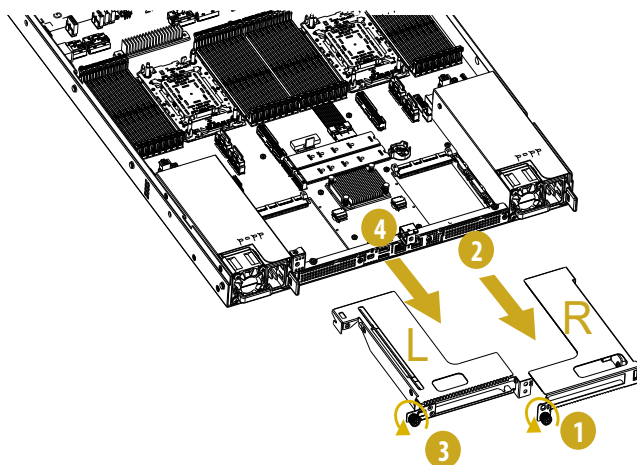
3.4 Add-in Card



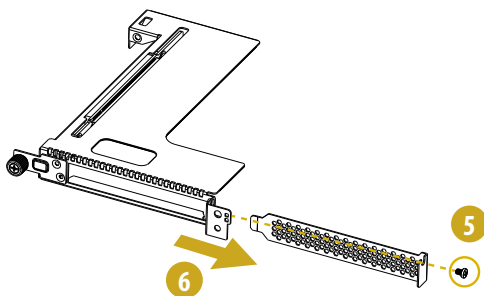
1. Before installing an add-in card to the bracket, sometime it needs to have a riser-card installed in the bracket first.
2. Before installing the add-in cards, power off the server and unplug the power cord.

Installing the Add-in Card

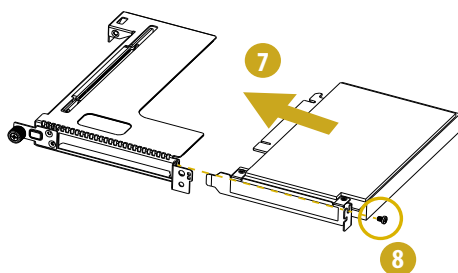
1. Hand-release the thumbscrew securing the right riser-card bracket on the chassis.
2. Pull to remove the right bracket from the chassis.
3. Hand-release the thumbscrew securing the left riser-card bracket on the chassis.
4. Pull to remove the left bracket from the chassis.



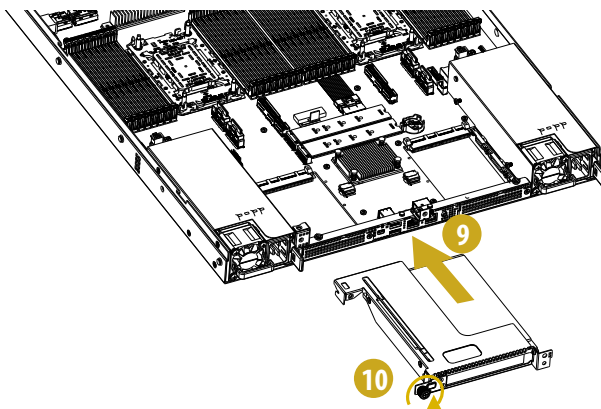
5. Remove the screw securing the blanking plate on the left bracket.
6. Slide the blanking plate out sideways.



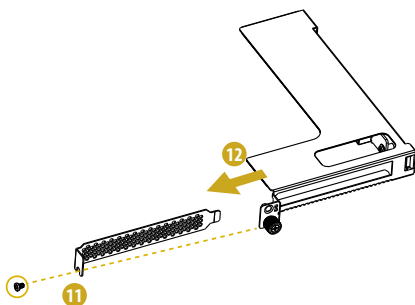
7. Install an add-in card to the left bracket.
8. Secure the add-in card to the bracket with the screw.



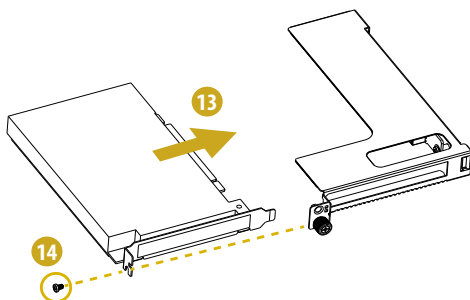
9. Align the assembly with the opening of the chassis to place it to the chassis.
10. Hand-tighten the thumbscrew to secure the assembly to the chassis.



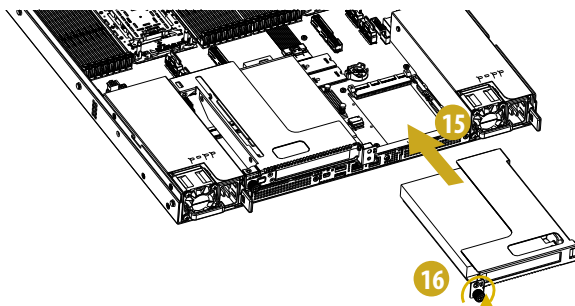
11. Remove the screw securing the blanking plate on the right bracket.
12. Slide the blanking plate out sideways.



13. Install an add-in card to the right bracket.
14. Secure the add-in card to the bracket with the screw.



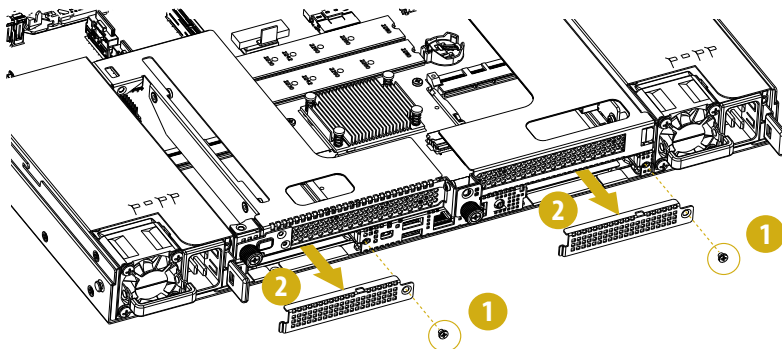
15. Align the assembly with the opening of the chassis to place it to the chassis.
16. Hand-tighten the thumbscrew to secure the assembly to the chassis.



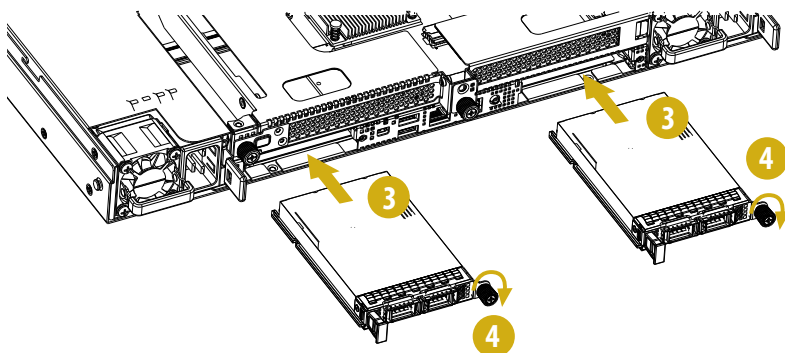
3.6 OCP Card

Installing the OCP Card

1. Remove the screws securing the slot covers to the chassis.
2. Remove the slot covers.



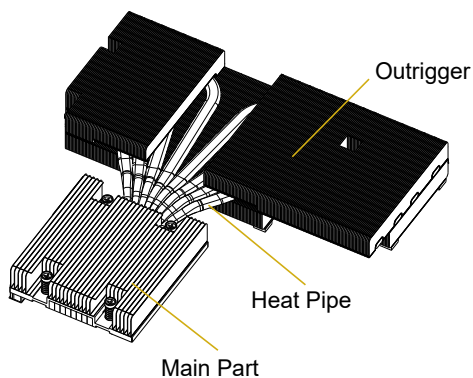
3. Install the OCP cards into the slot.
4. Make sure the cards are well seated and hand-tighten the thumbscrews on the face plates.



3.7 EVAC (for 1U12E-EGS2/EVAC only)

EVAC (Enhanced Volume Air Cool Solution) is a heatsink module used for improving CPU cooling capability and memory cooling balance.

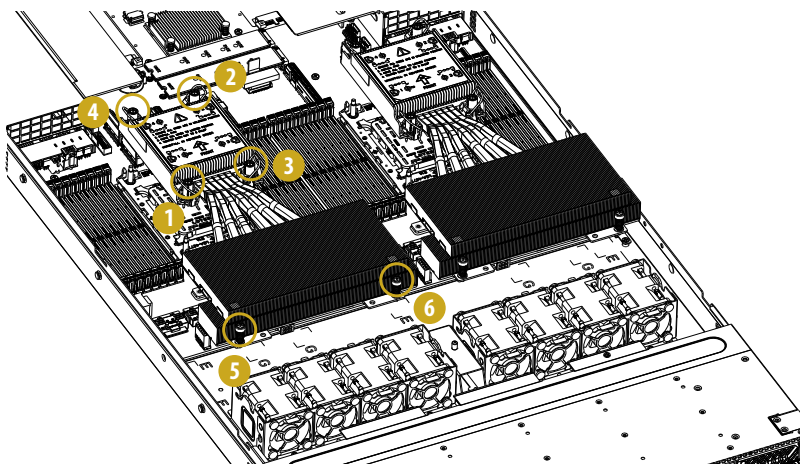
The EVAC consists of main part, heat pipe and outrigger as shown below:



Installing the EVAC

1. To avoid damaging the heat pipe, make sure to hold both the main part and outrigger simultaneously and place the EVAC on the chassis.
2. Set a T30 Torx screwdriver to a torque of 7.2in-lbf (8.3kg-cm).
3. Tighten the screws in a sequential order 1 > 2 > 3 > 4 > 5 > 6.

Note: Loosen the screws in a reverse order.



No.	Description
1	Non Maskable Interrupt Button (NMI_BTN1)
2	Flash Override Jumper (FLASH_SEC_OVERRIDE1)
3	Chassis Intrusion Header (CASEOPEN1)
4	TPM-SPI Header (TPM_BIOS_PH1)
5	OCP 3.0 Gen5 x16 Mezzanine Card Slot (OCP2)
6	M.2 Socket (M2_1) (Type 2280/22110)
7	M.2 Socket (M2_2) (Type 2280/22110)
8	Backplane PCI Express Hot-Plug Connector (CPU1_HSBP1)
9	Front VGA Header (FRNT_VGA1)
10	Backplane PCI Express Hot-Plug Connector (CPU2_HSBP1)
11	PSU Power Connector (PSU_CON2)
12	Mini Cool Edge IO Connector (MCIO11)
13	Mini Cool Edge IO Power Connector (MCIO_PWR2)
14	Auxiliary Panel Header (AUX_PANEL1)
15	HDD Power Connector (HDD_PWR2)
16	Mini Cool Edge IO Connector (MCIO12)
17	PCI Express 5.0 x16 Slot (PCIE2)
18	2 x 288-pin DDR5 DIMM Slots (DDR5_K1, DDR5_L1)
19	2 x 288-pin DDR5 DIMM Slots (DDR5_K2, DDR5_L2)
20	System Panel Header (PANEL1)
21	GPU Power Connector (GPU_PWR4)
22	Auxiliary Panel Header (AUX_PANEL2)
23	GPU Power Connector (GPU_PWR3)
24	Mini Cool Edge IO Connector (MCIO8)
25	System Fan Connector (FAN7_1) <i>(for 1U system)</i>
26	2 x 288-pin DDR5 DIMM Slots (DDR5_I1, DDR5_J1)
27	Mini Cool Edge IO Connector (MCIO7)
28	System Fan Connector (FAN6_1) <i>(for 1U system)</i>
29	System Fan Connector (FAN8) <i>(for 2U system)</i>
30	System Fan Connector (FAN7) <i>(for 2U system)</i>
31	2 x 288-pin DDR5 DIMM Slots (DDR5_I2, DDR5_J2)
32	PWM Configuration Header (PWM_CFG2)
33	HDD Backplane Power Connector (HSBP_PWR1)
34	LGA 4677 CPU Socket (CPU2)

No.	Description
35	2 x 288-pin DDR5 DIMM Slots (DDR5_M2, DDR5_N2)
36	System Fan Connector (FAN6) <i>(for 2U system)</i>
37	System Fan Connector (FAN5) <i>(for 2U system)</i>
38	Mini Cool Edge IO Connector (MCIO6)
39	2 x 288-pin DDR5 DIMM Slots (DDR5_M1, DDR5_N1)
40	System Fan Connector (FAN5_1) <i>(for 1U system)</i>
41	2 x 288-pin DDR5 DIMM Slots (DDR5_O2, DDR5_P2)
42	Mini Cool Edge IO Connector (MCIO5)
43	2 x 288-pin DDR5 DIMM Slots (DDR5_O1, DDR5_P1)
44	System Fan Connector (FAN4_1) <i>(for 1U system)</i>
45	System Fan Connector (FAN3_1) <i>(for 1U system)</i>
46	2 x 288-pin DDR5 DIMM Slots (DDR5_C1, DDR5_D1)
47	Mini Cool Edge IO Connector (MCIO4)
48	2 x 288-pin DDR5 DIMM Slots (DDR5_C2, DDR5_D2)
49	System Fan Connector (FAN2_1) <i>(for 1U system)</i>
50	2 x 288-pin DDR5 DIMM Slots (DDR5_A1, DDR5_B1)
51	Mini Cool Edge IO Connector (MCIO3)
52	System Fan Connector (FAN4) <i>(for 2U system)</i>
53	System Fan Connector (FAN3) <i>(for 2U system)</i>
54	2 x 288-pin DDR5 DIMM Slots (DDR5_A2, DDR5_B2)
55	PWM Configuration Header (PWM_CFG1)
56	HDD Backplane Power Connector (HSBP_PWR2)
57	LGA 4677 CPU Socket (CPU1)
58	2 x 288-pin DDR5 DIMM Slots (DDR5_E2, DDR5_F2)
59	System Fan Connector (FAN2) <i>(for 2U system)</i>
60	System Fan Connector (FAN1) <i>(for 2U system)</i>
61	Mini Cool Edge IO Connector (MCIO2)
62	2 x 288-pin DDR5 DIMM Slots (DDR5_E1, DDR5_F1)
63	System Fan Connector (FAN1_1) <i>(for 1U system)</i>
64	Mini Cool Edge IO Connector (MCIO1)
65	GPU Power Connector (GPU_PWR2)
66	System Fan Connector (FAN8_1) <i>(for 1U system)</i>
67	GPU Power Connector (GPU_PWR1)
68	2 x 288-pin DDR5 DIMM Slots (DDR5_G2, DDR5_H2)

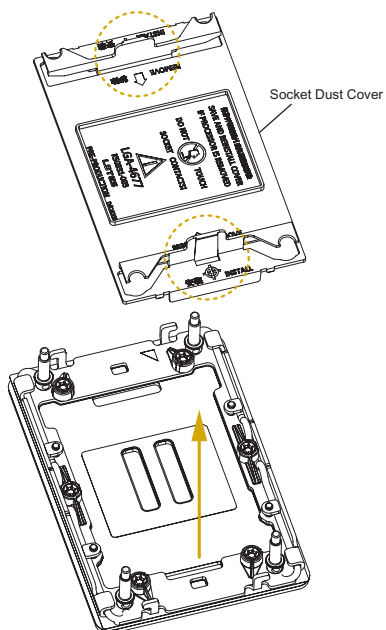
No.	Description
69	2 x 288-pin DDR5 DIMM Slots (DDR5_G1, DDR5_H1)
70	PCI Express 5.0 x16 Slot (PCIE1)
71	Mini Cool Edge IO Connector (MCIO9)
72	Mini Cool Edge IO Power Connector (MCIO_PWR1)
73	Front USB 3.2 Gen1 Header (USB3_1)
74	HDD Power Connector (HDD_PWR1)
75	Front USB 3.2 Gen1 Header (USB3_2)
76	PSU Power Connector (PSU_CON1)
77	BMC SMBus Header (BMC_SMB1)
78	Mini Cool Edge IO Connector (MCIO10)
79	SATA Connector (SATA_0)
80	Clear CMOS Pad (CLRMOS1)
81	OCP 3.0 Gen5 x16 Mezzanine Card Slot (OCP1)
82	ME Recovery Jumper (ME_RECOVERY1)
83	Password Reset Jumper (PASSWORD_CLEAR1)
84	Virtual RAID On CPU Header (RAID_1)
85	BIOS Swap Override Jumper (BIOS_SWAP_OVERRIDE1)
86	Speaker Header (SPEAKER1)

4.3 Installing the CPU and 1U12E-EGS2 Heatsink (LGA 4677 Socket)

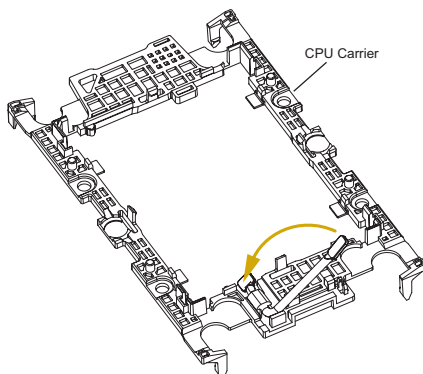


Unplug all power cables before installing the CPU.

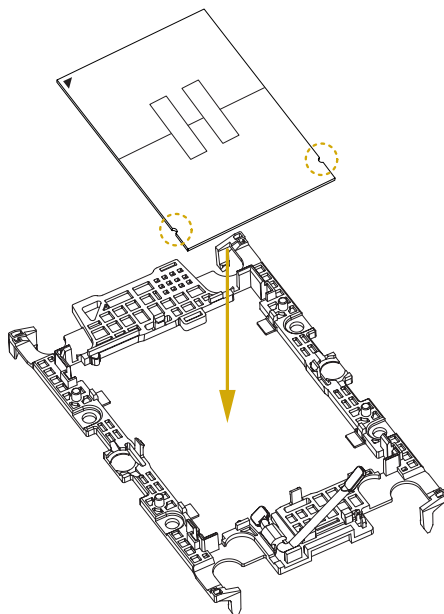
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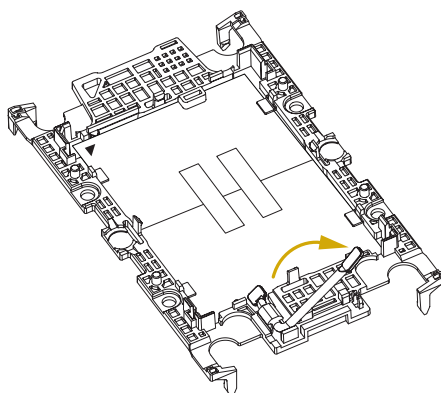
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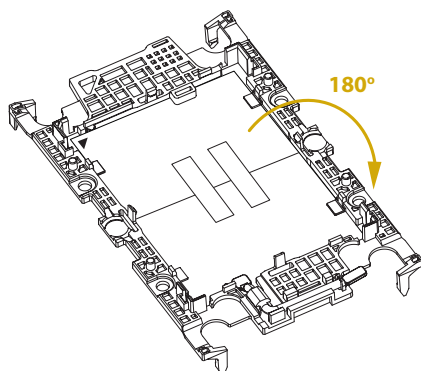
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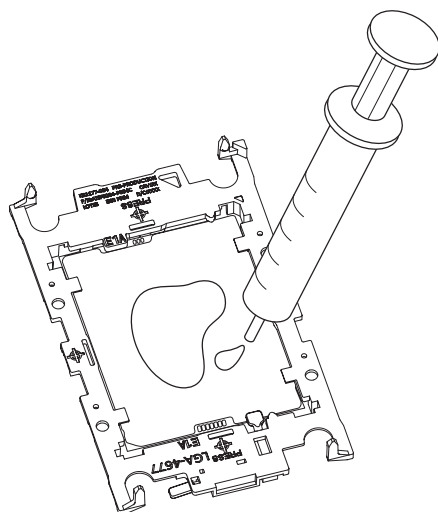
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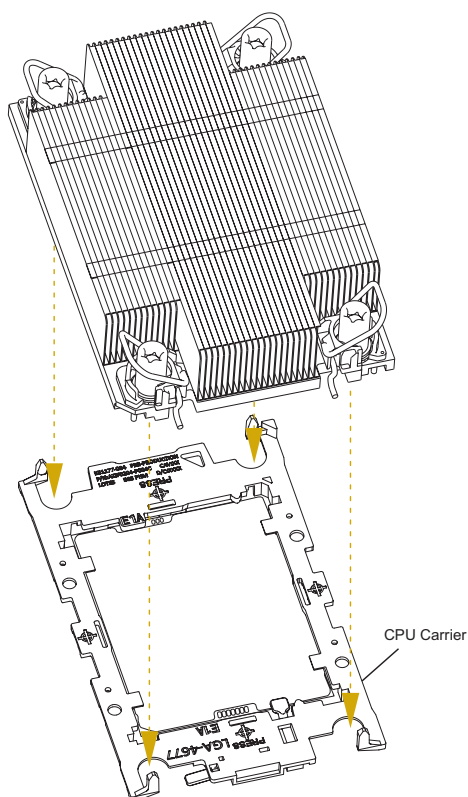
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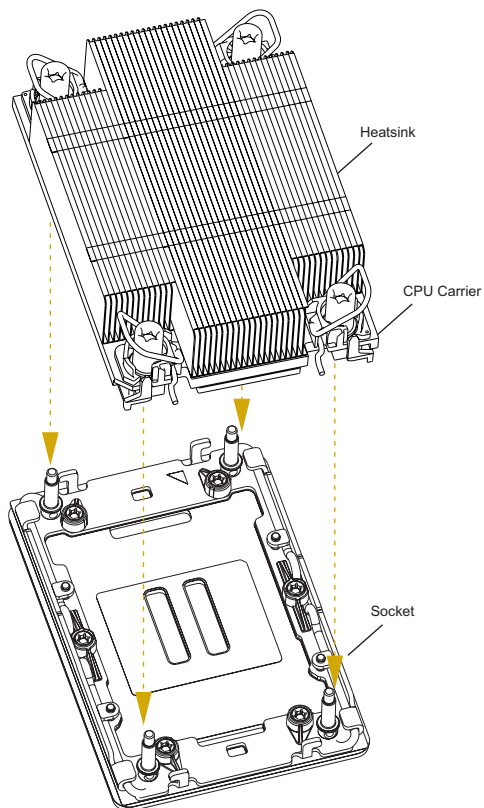
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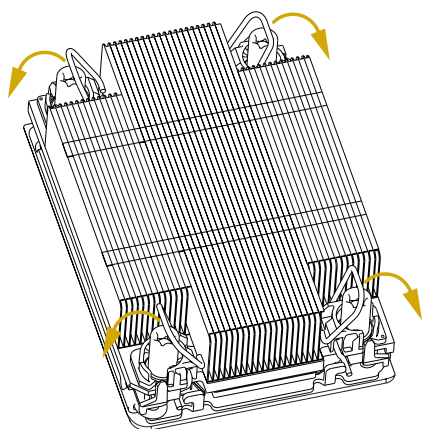
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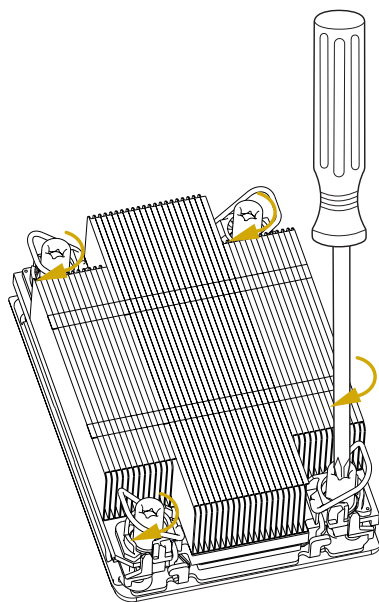
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9



10

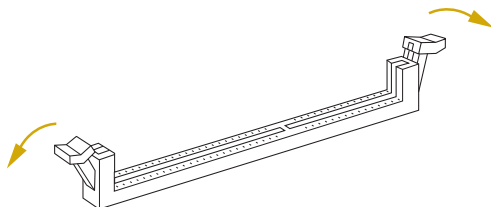


4.4 Installing the Memory Modules (DIMM)

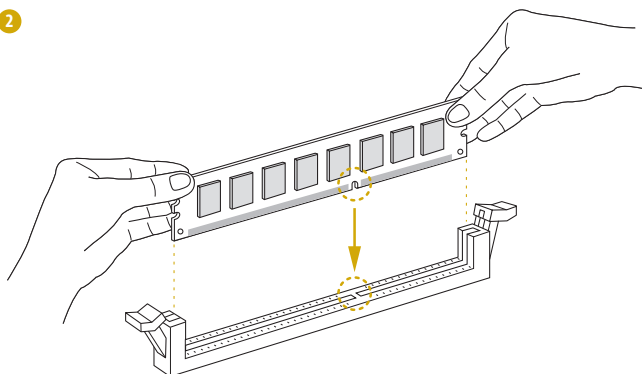


The DIMM only fits in one correct orientation. It will cause permanent damage to the server motherboard and the DIMM if forcing the DIMM into the slot at incorrect orientation. For more information about DIMM installation, refer to the server motherboard user manual.

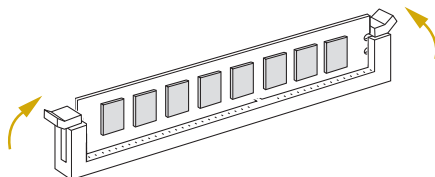
1



2



3



Appendix

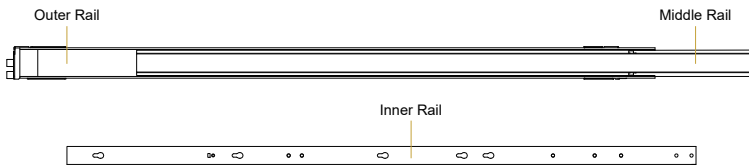
Installing the Server in a Rack

This section describes how to rackmount the server with slide rail assembly.



The rails installation instructions in this manual are example only, the actual rail assembly procedure may differ slightly.

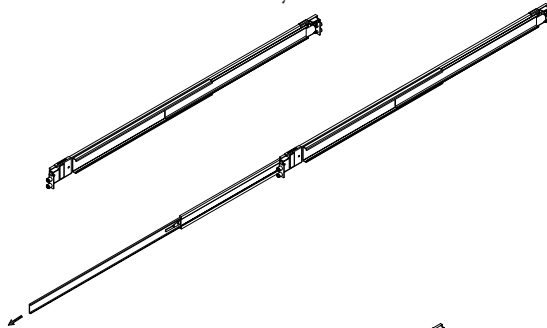
The rail assembly consists of outer, middle and inner rail.



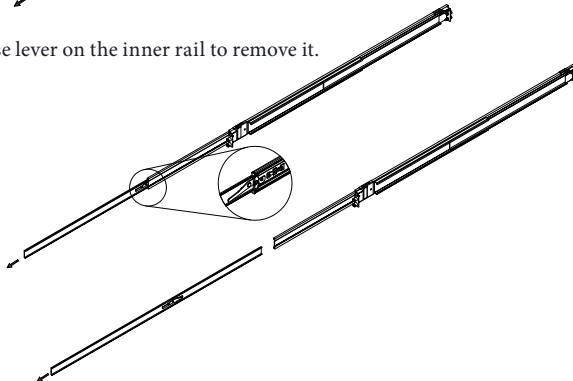
Each slide rail is labeled with either L or R, please identify prior to rail installation. Please install the rail labeled with L on the left side of rack, and the rail labeled with R on the right side of rack.

Release the inner rail from the outer rail

1. Fully extend the inner rail from the rail assembly.

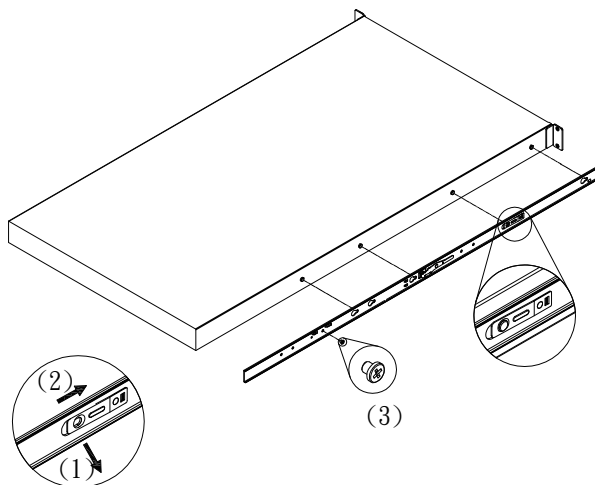


2. Press the release lever on the inner rail to remove it.



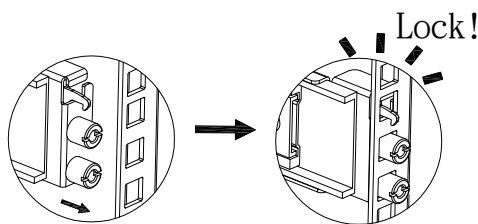
Attach the inner rail to the chassis

1. Lift the clip on the inner rail.
2. Slide the inner rail toward the chassis rear.
3. Secure the inner rail to the chassis with screw.

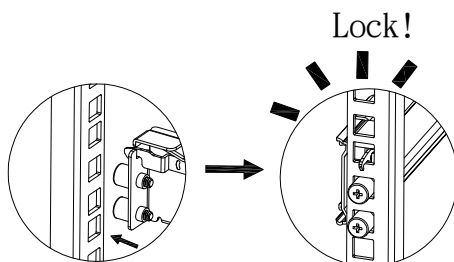


Attach the outer rail to the rack

1. Lift lever, aim the rack mount pin to the rack post and push forward.

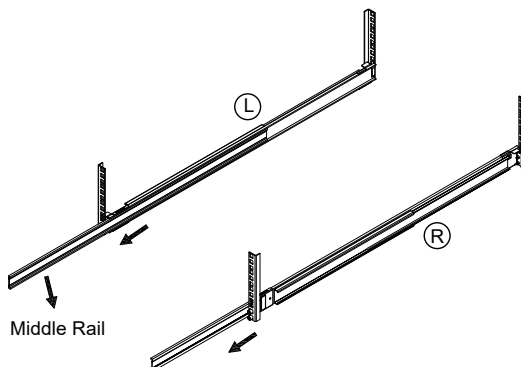


2. Lift lever, aim the rack mount pin to the rack post and pull back.

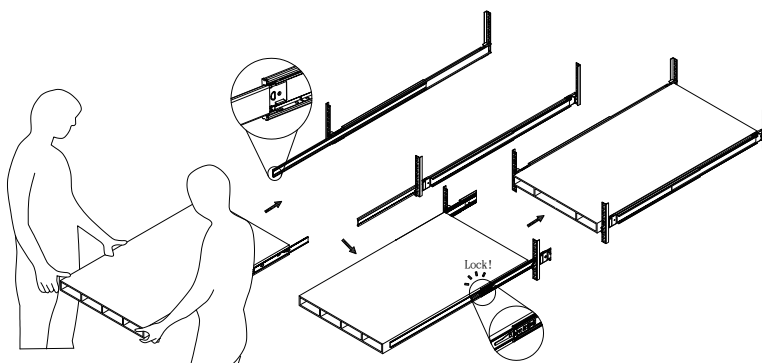


Mount the server in rack

1. Make sure the outer rail is locked to rack securely.
2. Fully extend the middle rail out of the outer rail until locked.

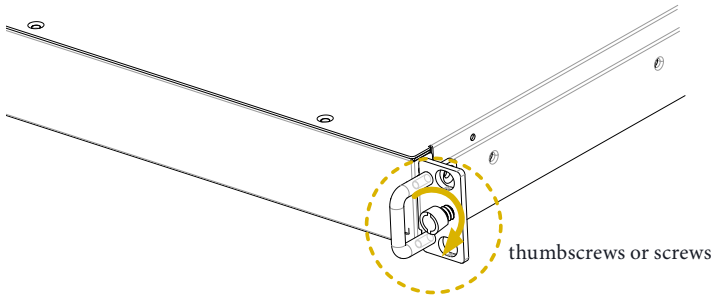


3. Aim the rail to push server into rack.



The server is heavy. For safe lifting, two or more persons are required to install the server into the rack.

4. Tighten the thumbscrews or screws on the front of server to secure the server to the rack.
5. To remove the server from the rack, reverse these instructions.



When connecting cables to the server, make sure there is enough cable slack so sliding the server in and out of the rack without accidentally unplugging a cable.

Contact Information

Contact ASRock Rack or want to know more about ASRock Rack, you're welcome to visit ASRock Rack's website at <http://www.asrockrack.com>; or contact the dealer for further information. For technical questions, please submit a support request form at <https://event.asrockrack.com/tsd.asp>

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