

**OPEN** Industry Standard, Flexible Architecture

**GREEN** Less Heat, Less Power Consumption

**STABLE** Robust Design, Quality Parts

Stable and  
Reliable Solution

**Server/Workstation**  
Motherboard

**2U4G-GENOA/M3**

User Manual

English



Version 1.03

Published Feb. 2026

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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](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)”

**ASRock Rack’s Website: [www.ASRockRack.com](http://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

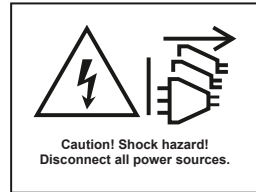
### CAUTION

**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 2U4G-GENOA/M3, 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 |
|---------------|--------------------------------|
| 2U4G-GENOA/M3 | GENOAD8HM3                     |



*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: 2U4G-GENOA/M3                    | 1        |
| CPU Heatsink                                      | 1        |
| Rail Kit                                          | 1        |
| Accessory Box                                     | 1        |
| - 2 Power Cords                                   |          |
| - 1 Mini DisplayPort to D-sub (VGA) Adapter Cable |          |
| - 2 Screws for M.2 Sockets                        |          |



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

1.2 Specifications

| 2U4G-GENOA/M3                |                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System                       |                                                                                                                                                                          |
| Form Factor                  | 2U Rackmount                                                                                                                                                             |
| Dimension                    | 850 x 438 x 87.5mm (33.5" x 17.2" x 3.4")                                                                                                                                |
| Support MB                   | GENOAD8HM3                                                                                                                                                               |
| Front Panel                  |                                                                                                                                                                          |
| Button                       | Power w/ LED, ID w/ LED, system reset                                                                                                                                    |
| LED                          | LAN 1/2 (not support), system fault                                                                                                                                      |
| I/O Port                     | 2 Type-A (USB3.0)                                                                                                                                                        |
| External Drive Bay / Storage |                                                                                                                                                                          |
| Front Side Drive Bay         | 4 2.5" NVMe + 2 2.5" SATA hot-swap drive bays                                                                                                                            |
| Front Side Backplane         | 6-port NVMe/SATA passive backplane                                                                                                                                       |
| Internal Side                | 2 M-key (PCIe5.0 x4 or SATA 6Gb/s), supports 22110/2280 form factor                                                                                                      |
| Power Supply                 |                                                                                                                                                                          |
| Type                         | 1+1 CRPS                                                                                                                                                                 |
| Output Watts                 | 1200W @ 100-127Vac input<br>2700W @ 200-240Vac input                                                                                                                     |
| Efficiency                   | 80-PLUS Platinum                                                                                                                                                         |
| AC Input                     | Low-line: 100-127Vrms, 47/63Hz<br>High-line: 200-240Vrms, 47/63Hz                                                                                                        |
| System Fan                   |                                                                                                                                                                          |
| Fan                          | 3 80x38mm + 1 80x80mm                                                                                                                                                    |
| Processor System             |                                                                                                                                                                          |
| CPU                          | Supports AMD EPYC™ 9005*/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors<br><br>*A BIOS update is required to support AMD PYC™ 9005 series processors. |
| Socket                       | Single Socket SP5 (LGA 6096)                                                                                                                                             |
| Thermal Design Power         | Up to 400W                                                                                                                                                               |
| Chipset                      | System on Chip                                                                                                                                                           |

| System Memory           |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported DIMM Quantity | 8 DIMM slots (1DPC)                                                                                                                                                                                                                  |
| Supported Type          | Supports DDR5 288-pin RDIMM, RDIMM-3DS                                                                                                                                                                                               |
| Max. Capacity per DIMM  | RDIMM: 128GB (2Rx4)<br>RDIMM-3DS: 256GB (2Rx4)                                                                                                                                                                                       |
| Max. DIMM Frequency     | 4800MHz                                                                                                                                                                                                                              |
| Voltage                 | 1.1V                                                                                                                                                                                                                                 |
| PCIe Expansion Slots    |                                                                                                                                                                                                                                      |
| PCIe x16                | 4 Dual-slot PCIe5.0 x16 (FHFL)<br>1 Single-slot PCIe5.0 x16 (FHHL)                                                                                                                                                                   |
| PCIe x8                 | 1 PCIe5.0 x8 (FHFL)                                                                                                                                                                                                                  |
| Ethernet                |                                                                                                                                                                                                                                      |
| OCP Slot                | 1 OCP NIC 3.0 (PCIe5.0 x16)                                                                                                                                                                                                          |
| Server Management       |                                                                                                                                                                                                                                      |
| BMC Controller          | ASPEED AST2600                                                                                                                                                                                                                       |
| IPMI Dedicated GLAN     | 1 Realtek RTL8211F for dedicated management GLAN                                                                                                                                                                                     |
| Graphics                |                                                                                                                                                                                                                                      |
| Controller              | ASPEED AST2600                                                                                                                                                                                                                       |
| VRAM                    | DDR4 512MB                                                                                                                                                                                                                           |
| Rear I/O                |                                                                                                                                                                                                                                      |
| UID Button/ LED         | 1 UID button w/ LED                                                                                                                                                                                                                  |
| Video Port              | 1 mini DisplayPort* (VGA, adapter cable required)<br><i>*The Mini Display Port provides VGA analog output. To connect to a D-Sub (VGA) display, an adapter cable is required. Please contact ASRock Rack for cable availability.</i> |
| USB3.2 Gen1 Port        | 2 Type-A (USB3.2 Gen1)                                                                                                                                                                                                               |
| RJ45                    | 1 (IPMI) LAN port (RJ45)<br>LAN ports with LEDs (ACT/LINK LED and SPEED LED)                                                                                                                                                         |

| System BIOS      |                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| Type             | AMI UEFI BIOS; 256Mb (32MB) SPI Flash ROM                                                                            |
| Features         | ASRock Rack Instant Flash, ACPI 6.4 and above compliance wake up events, SMBIOS 3.5.0 and above, Plug and Play (PnP) |
| Hardware Monitor |                                                                                                                      |
| Temperature      | CPU, MB, card side temperature sensing                                                                               |
| Fan              | Fan tachometer<br>CPU quiet fan (allows chassis fan speed auto-adjust by CPU temperature)<br>Fan multi-speed control |
| Voltage          | P0_VDDCR_CPU0, P0_VDDCR_CPU1, P0_VDDCR_SOC, P0_VDD_18_DUAL, P0_VDD_11_S3, P0_VDDIO, +BAT, +12V, +3VSB, +5VSB         |
| Environment      |                                                                                                                      |
| Temperature      | Operation temperature: 10°C ~ 35°C<br>Non operation temperature: -40°C ~ 70°C                                        |
| Humidity         | Non operation humidity: 20% ~ 90% (non condensing)                                                                   |

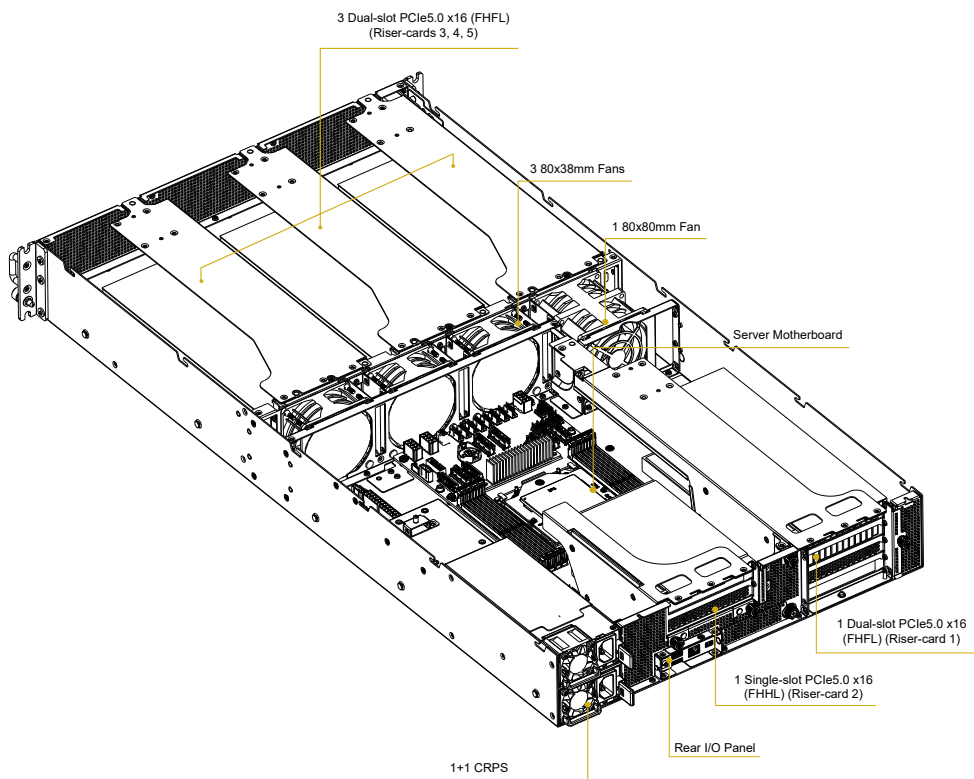


*The functions are supported depending on the type of the server motherboard. Refer to the server motherboard manual for more information.*

# Chapter 2 Server System Overview

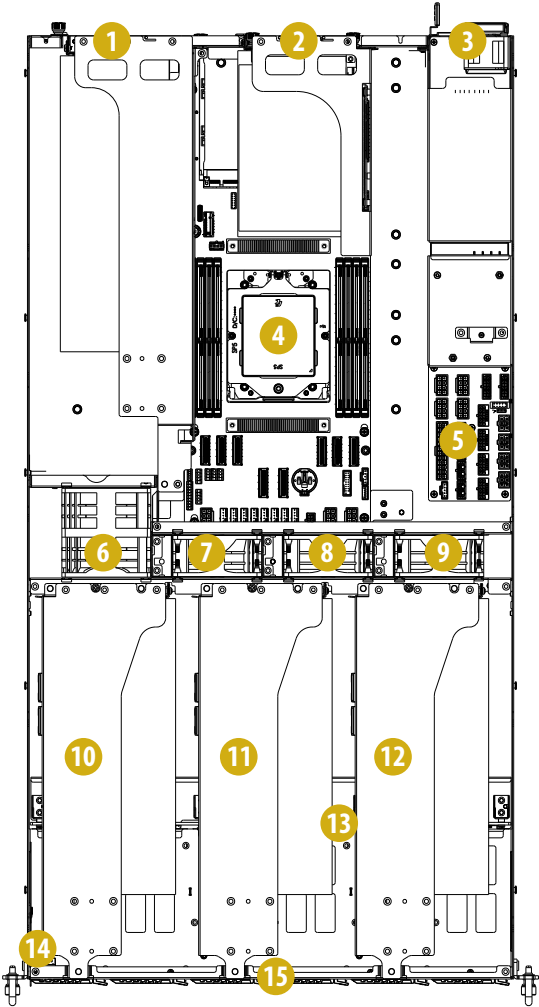
This chapter provides diagrams showing the location of important components of the server system.

## 2.1 System Components



*Note: The illustrations in this user manual are for references only. The actual product may be slightly different by SKU.*

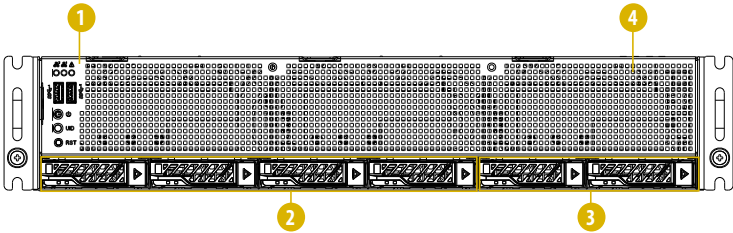
## 2.2 Internal Features





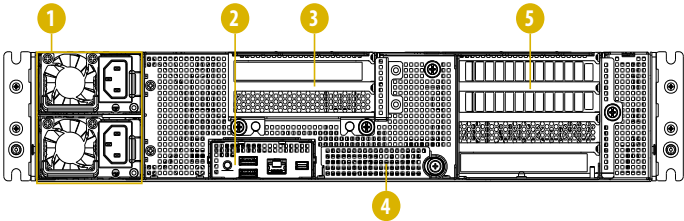
| No. | Description                                                        |
|-----|--------------------------------------------------------------------|
| 1   | 1 Dual-slot PCIe5.0 x16 (FHFL) slots (Riser-card 1)                |
| 2   | 1 Single-slot PCIe5.0 x16 (FHHL) slot (Riser-card 2)               |
| 3   | 1+1 CRPS                                                           |
| 4   | Server motherboard (MB)                                            |
| 5   | Power distribution board (PDB)                                     |
| 6   | System fan 80x80mm (FAN4)                                          |
| 7   | System fan 80x38mm (FAN3)                                          |
| 8   | System fan 80x38mm (FAN2)                                          |
| 9   | System fan 80x38mm (FAN1)                                          |
| 10  | 1 Dual-slot PCIe5.0 x16 (FHFL) slots (Riser-card 3)                |
| 11  | 1 Dual-slot PCIe5.0 x16 (FHFL) slots (Riser-card 4)                |
| 12  | 1 Dual-slot PCIe5.0 x16 (FHFL) slots (Riser-card 5)                |
| 13  | Backplane board (BPB)                                              |
| 14  | 2U4G-FPB (front panel board request and placement)                 |
| 15  | 4 Hot-swap 2.5" NVMe drive bays<br>2 Hot-swap 2.5" SATA drive bays |

### 2.3 System Front Panel



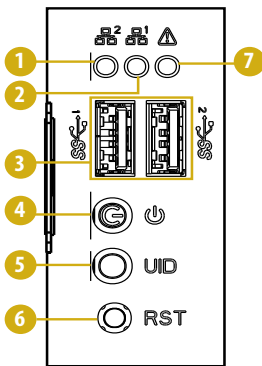
| No. | Description                     |
|-----|---------------------------------|
| 1   | Front I/O panel                 |
| 2   | 4 Hot-swap 2.5" NVMe drive bays |
| 3   | 2 Hot-swap 2.5" SATA drive bays |
| 4   | Front vent                      |

### 2.4 System Rear Panel



| No. | Description                                                             |
|-----|-------------------------------------------------------------------------|
| 1   | 1+1 CRPS                                                                |
| 2   | Rear I/O panel (depends on the specification of the server motherboard) |
| 3   | 1 Single-slot PCIe5.0 x16 (FHHL) slot (Riser-card 2)                    |
| 4   | 1 OCP NIC 3.0 (PCIe5.0 x16) slot                                        |
| 5   | 1 Dual-slot PCIe5.0 x16 (FHFL) slots (Riser-card 1)                     |

## 2.5 Front I/O Panel



| No. | Description                     |
|-----|---------------------------------|
| 1   | LAN2 activity LED (not support) |
| 2   | LAN1 activity LED (not support) |
| 3   | 2 Type-A (USB3.0) ports         |
| 4   | Power button w/ LED             |
| 5   | UID button w/ LED               |
| 6   | System reset button             |
| 7   | System fault LED                |

### Power Button

Press the power button to power on or power off the system. To remove all power from the system completely, disconnect the power cord from the server.

### UID Button

Press the UID button to toggle the front and rear UID LEDs on and off. Use this button to locate the server working on from behind a rack of servers.

### 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.

## Status LED Definitions

| Power LED |             |
|-----------|-------------|
| Status    | Description |
| Off       | Power off   |
| Green     | Power on    |

| UID LED |                                    |
|---------|------------------------------------|
| Status  | Description                        |
| Off     | System identification is disabled. |
| Blue    | System identification is active.   |

| System Fault LED |                                         |
|------------------|-----------------------------------------|
| Status           | Description                             |
| Off              | Running or normal operation             |
| Red              | At least one sensor has critical alert. |

# 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.



1. Ensure the motherboard battery is installed before unplugging the power cord or installing/removing the motherboard.
2. Before installing or removing any component, ensure that the power supply is off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the motherboard, peripherals, and/or 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.

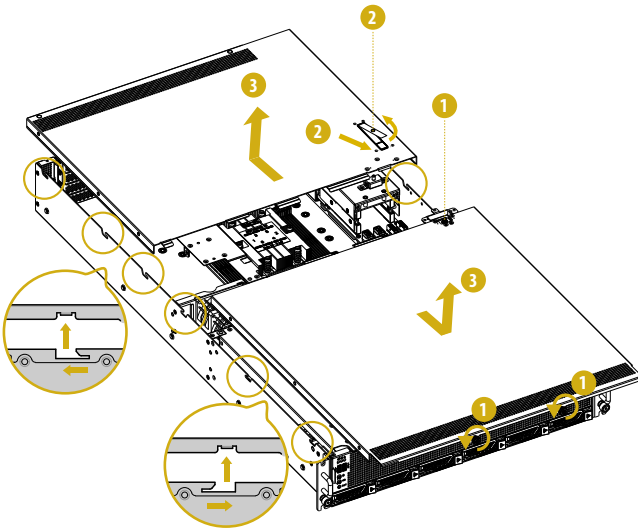
### 3.1 Server Top Cover

#### Removing the Server Top Cover



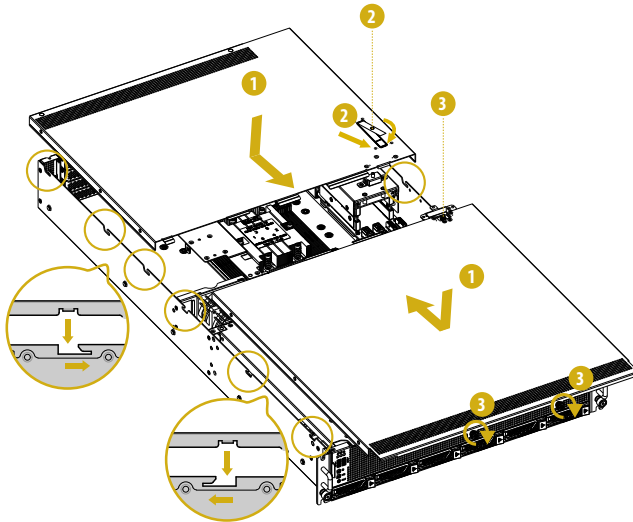
1. Before removing the top cover, power off the server and unplug the power cord.
2. The system must be operated with the chassis top cover installed to ensure proper cooling.

1. Remove the screw and hand-release the thumbscrews on the front top cover.
2. Loosen the screw and press the latch button on the rear top cover.
3. Push to open the front and rear top covers according to the directions.



## Installing the Server Top Cover

1. Lower the top covers on the chassis, making sure the side latches line up with the cutouts. Slide the top covers according to the directions.
2. Press down the latch and tighten the screw to confirm the top rear cover is locked with the chassis.
3. Tighten the screw and hand-tighten the thumbscrew to secure the front top cover to the chassis.



## 3.2 Power Supply

The system can accommodate 2 power supply units in the bay at the rear of the chassis. 1 PSU is required for full load operation, with the other PSU purely as a redundant, load-sharing backup. 1 PSU can be removed without affecting system operation.

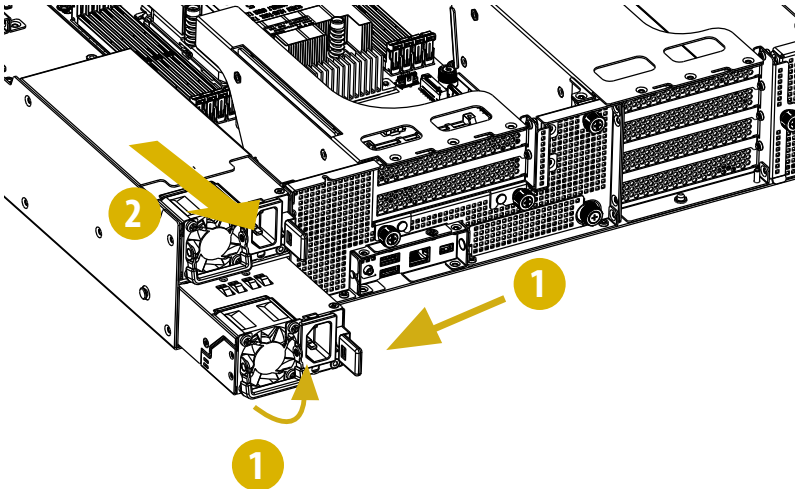
### Removing the Power Supply Unit



*Before replacing the power supply, power off the server, unplug the power cord, and disconnect all wiring from the power supply.*

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

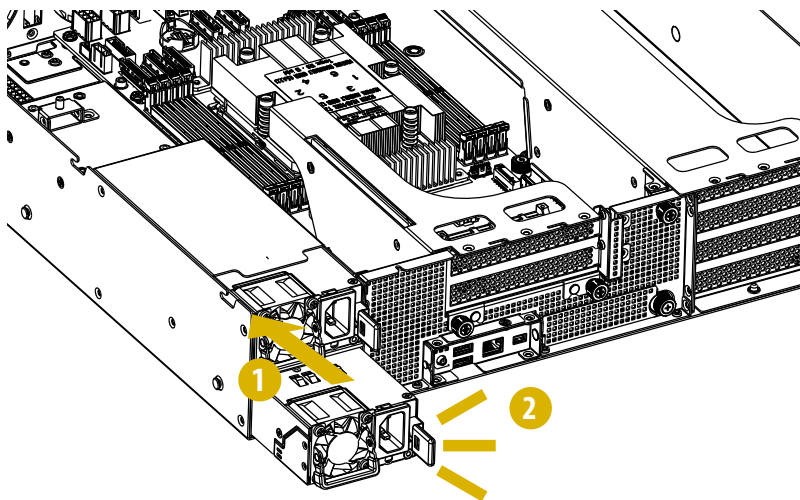
1. Hold onto the power supply handle while pressing the locking lever towards the power supply handle.
2. Pull to remove the PSU from the chassis.





## Installing the Power Supply Unit

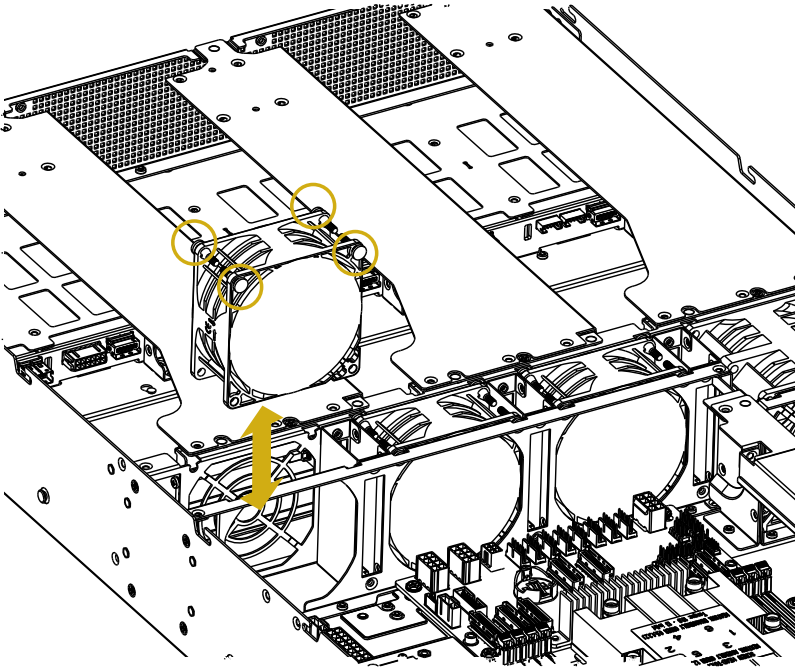
1. Carefully slide the PSU all the way into the power supply bay.
2. Make sure the PSU clicks into place and is well installed.



### 3.3 System Fan

#### Replacing the System Fan

1. Lift to remove the failed fan.
2. Align the mounting holes on the replacement fan corners with the fan mounts on the fan bracket.
3. Gently place the fan onto the mounts.
4. Make sure the fan is well seated.



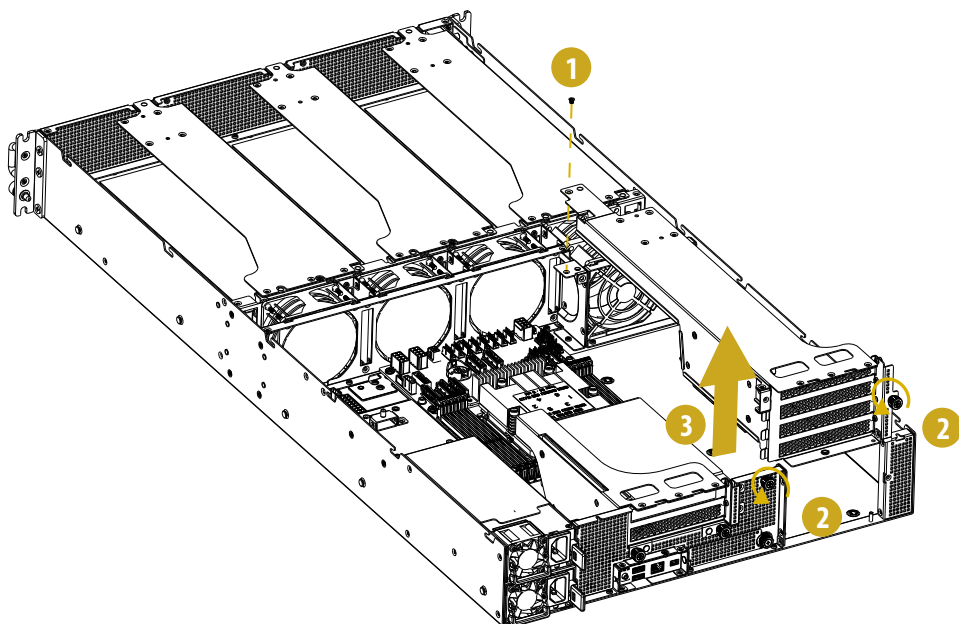
## 3.4 GPU Card



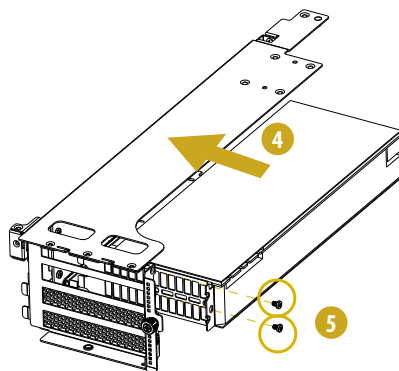
*Before installing the GPU card, power off the server and unplug the power cord.*

### Installing the GPU Card to Dual-slot PCIe5.0 x16 (FHFL) Slots

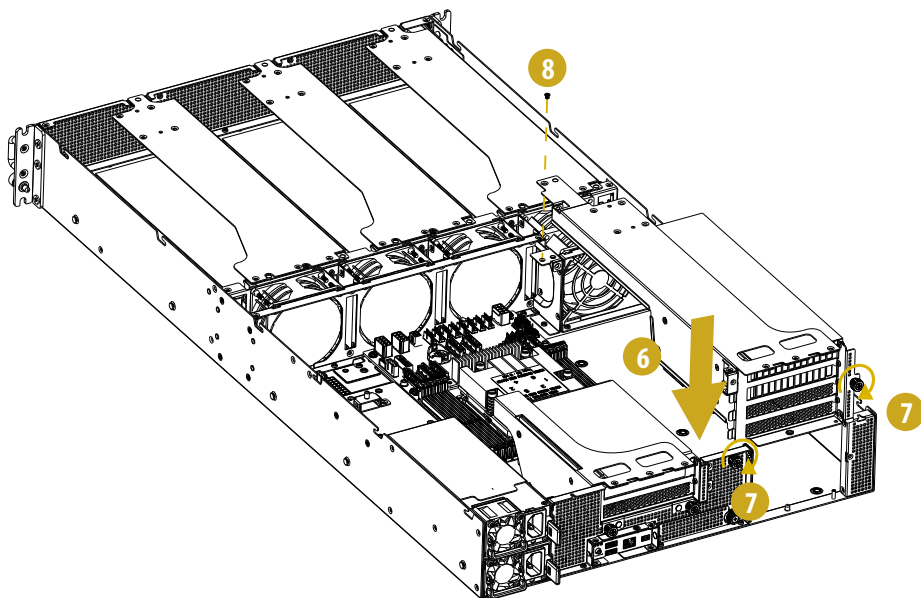
1. Remove the screw securing the riser-card bracket to the chassis.
2. Hand-release the thumbscrews securing the bracket to the chassis.
3. Push upward to remove the bracket from the chassis.



4. Remove the blanking plates and install the GPU card to the bracket.
5. Secure the GPU card to the bracket with the screws.

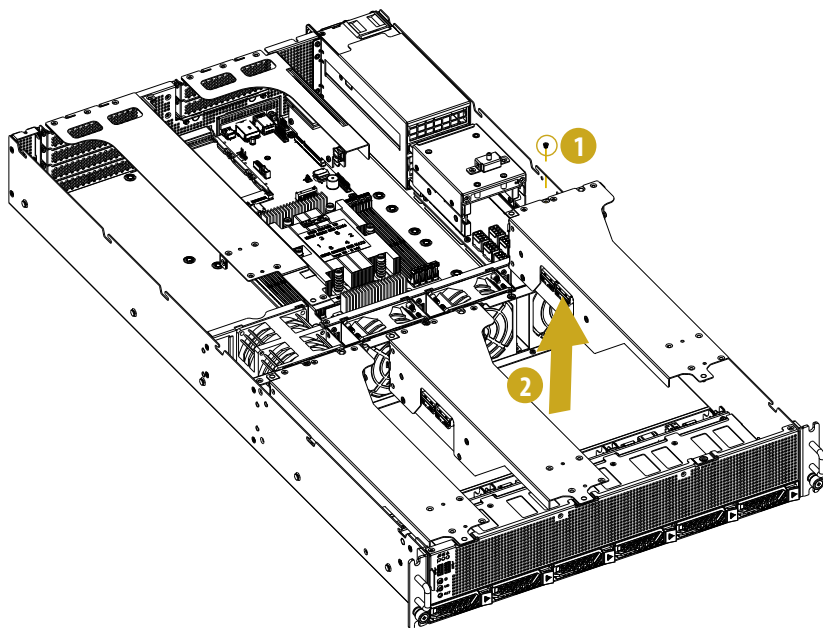


6. Align the GPU assembly with the opening of the chassis. Place the assembly into the chassis.
7. Hand-tighten the thumbscrews on the bracket.
8. Secure the assembly in place with the screw.

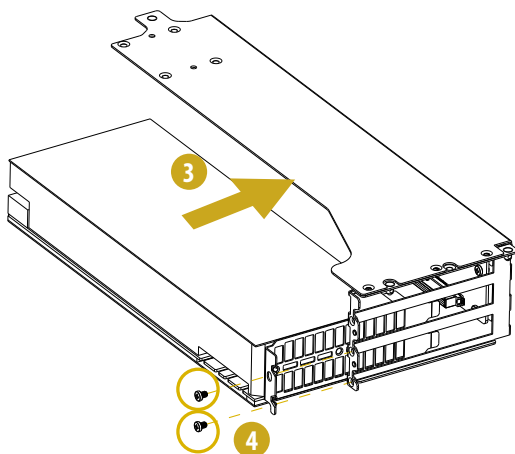


## Installing the GPU Card to Dual-slot PCIe5.0 x16 (FHFL) Slots

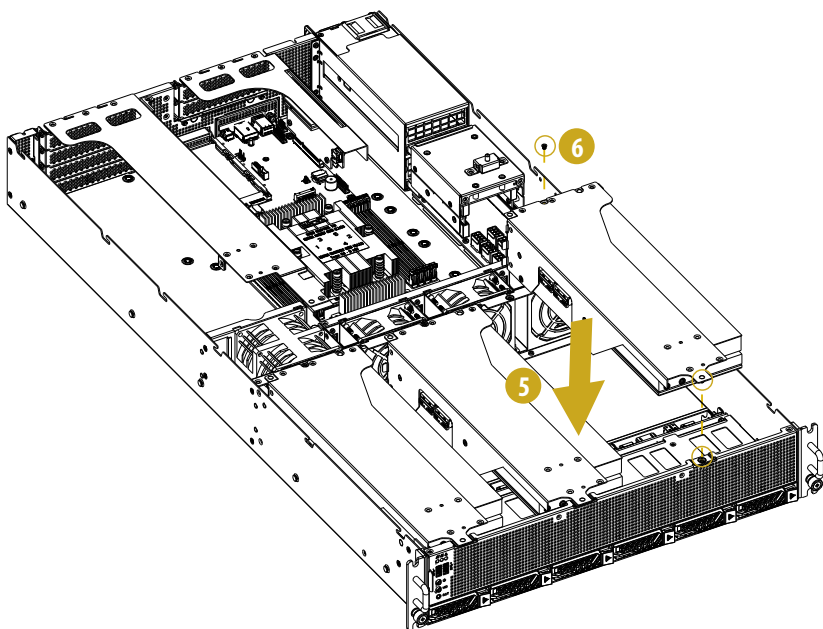
1. Remove the screws securing the riser-card bracket to the chassis.
2. Push upward to remove the bracket from the chassis.



3. Remove the blanking plates. Install the GPU card to the bracket.
4. Secure the GPU card to the bracket with the screws.



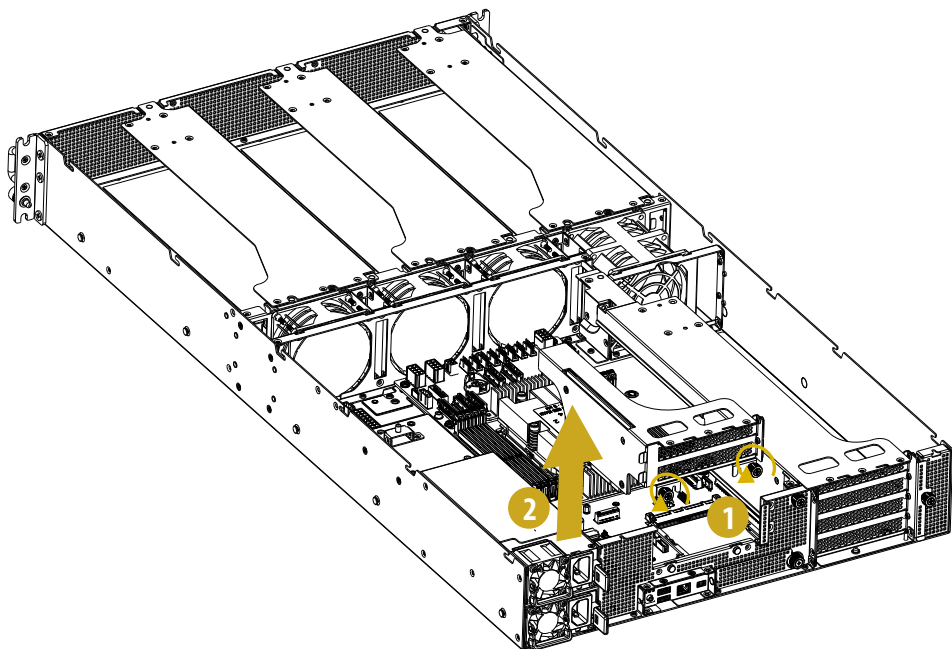
5. Align the GPU assembly with the opening of the chassis. Install the assembly into the chassis.
6. Secure the assembly in place with the screw.



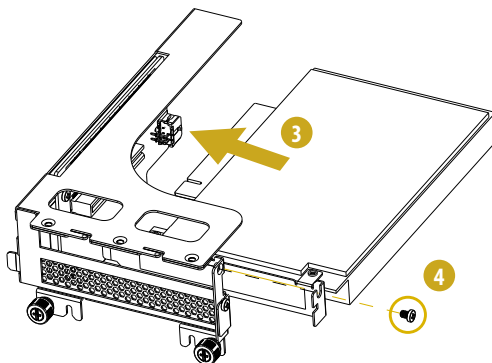
### 3.5 Add-in Card

Installing the Add-in Card to Single-slot PCIe5.0 x16 (FHHL) Slot

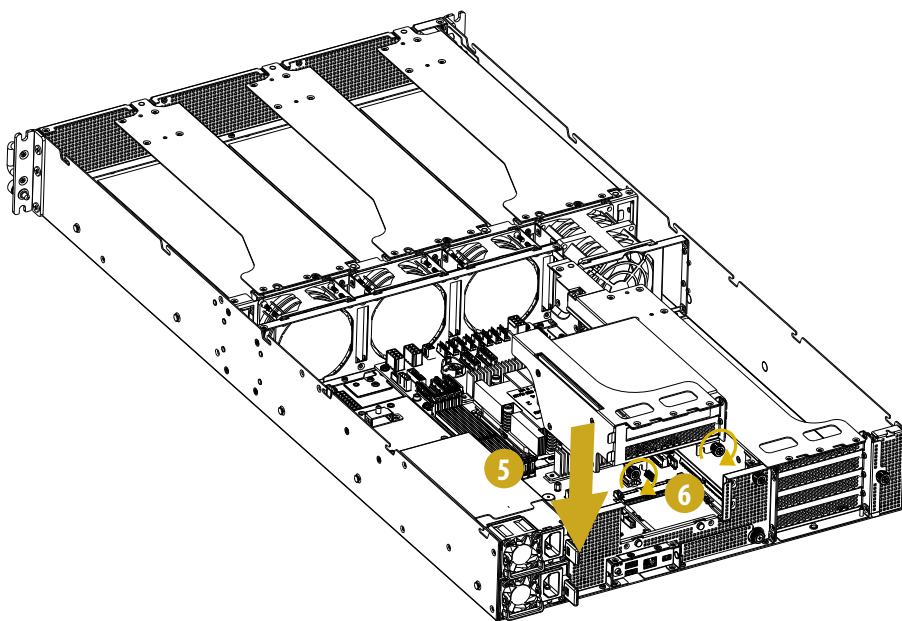
1. Hand-release the thumbscrews securing the riser-card bracket to the chassis.
2. Push upward to remove the bracket from the chassis.



3. Remove the blanking plate and install the GPU card to the bracket.
4. Secure the GPU card to the bracket with the screw.



5. Align the GPU assembly with the opening of the chassis. Place the assembly into the chassis.
6. Hand-tighten the thumbscrews to secure the assembly in place.

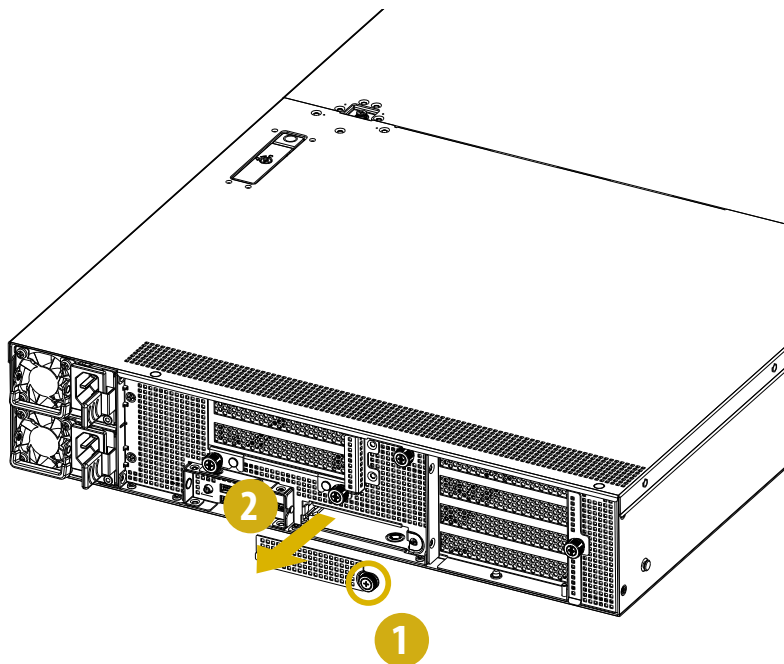




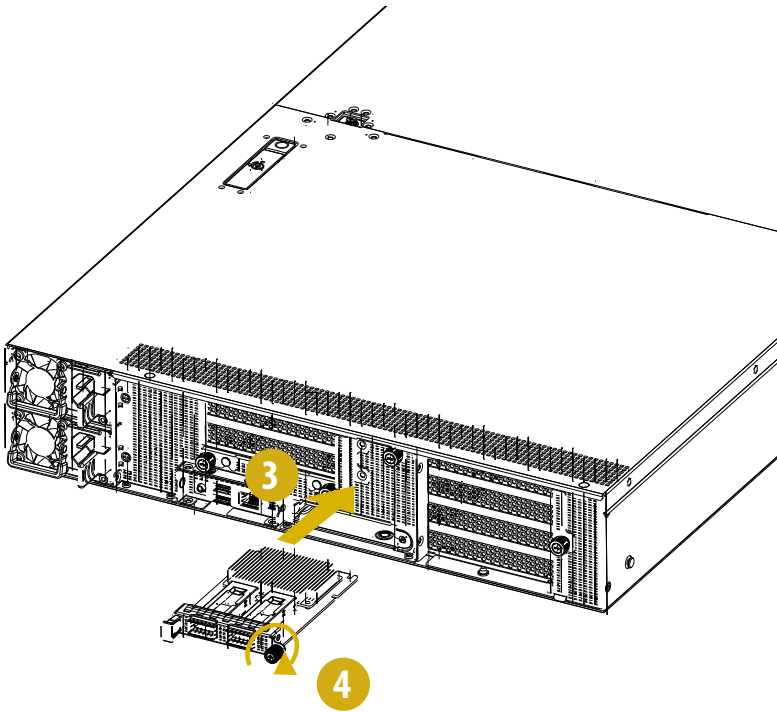
## 3.6 OCP Card

### Installing the OCP Card

1. Hand-release the thumbscrew securing the slot cover to the chassis.
2. Remove the slot cover.

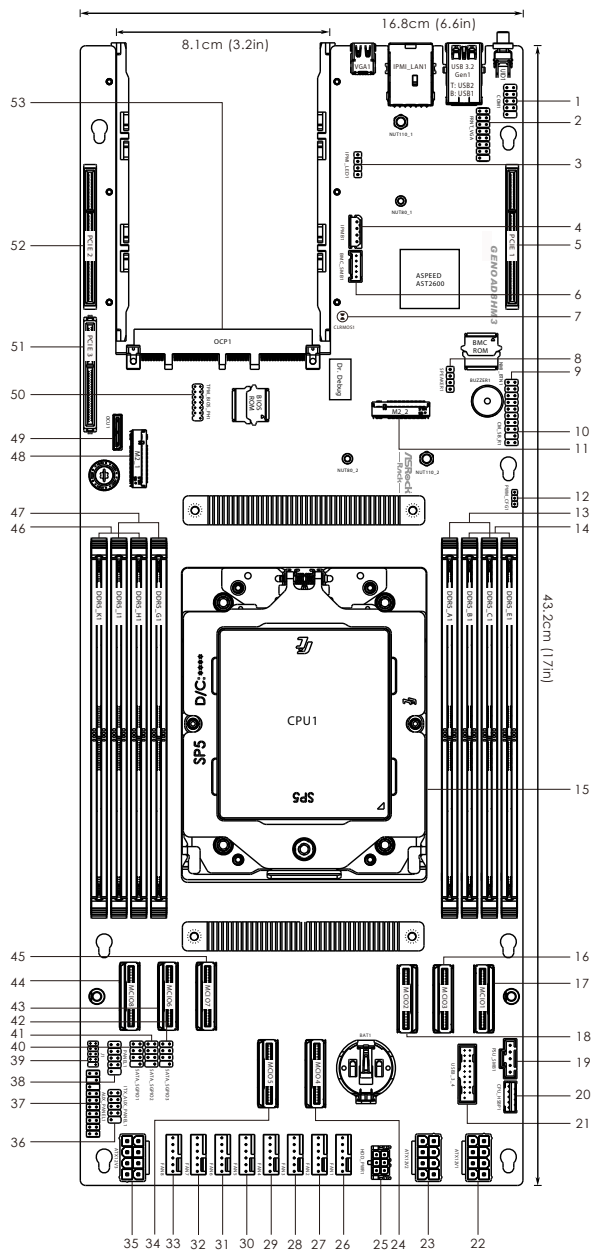


3. Install the OCP card into the slot.
4. Make sure the card is well seated and hand-tighten the thumbscrew on the face plate.



# Chapter 4 Server Motherboard (GENOAD8HM3)

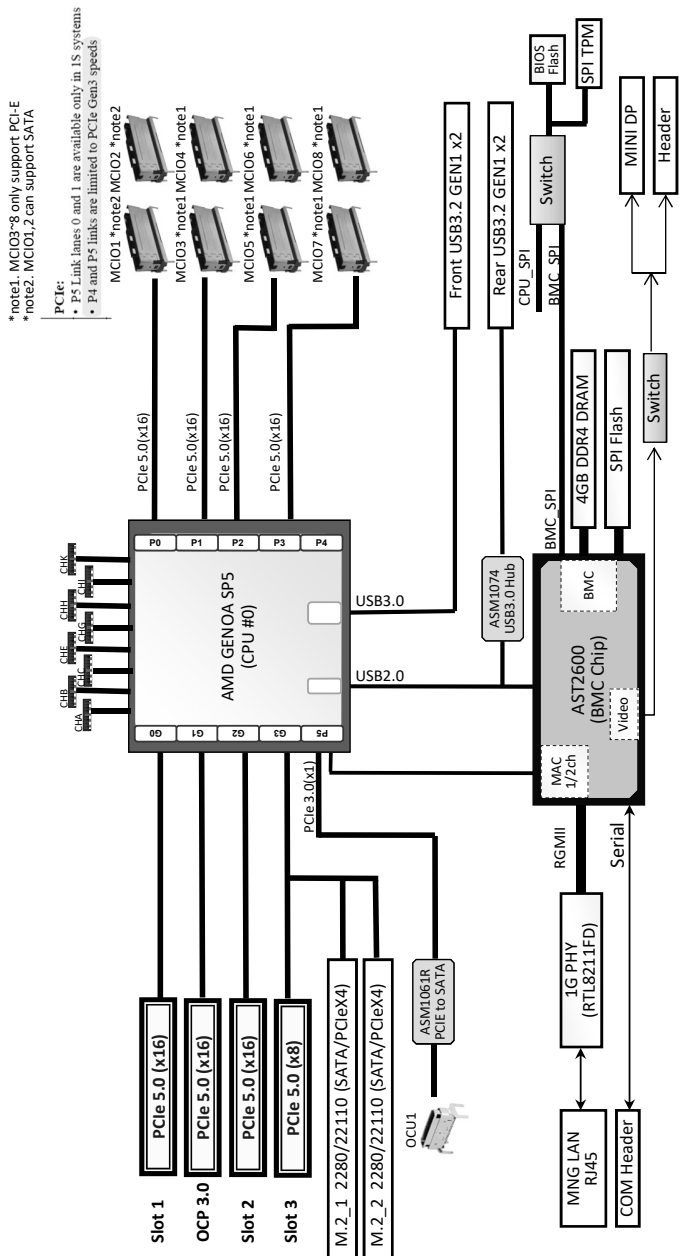
## 4.1 Layout



| No. | Description                                           |
|-----|-------------------------------------------------------|
| 1   | Serial Port Header (COM1)                             |
| 2   | Front VGA Header (FRNT_VGA)                           |
| 3   | IPMI LAN LED Header (IPMI_LED1)                       |
| 4   | Intelligent Platform Management Bus Header (IPMB1)    |
| 5   | PCI Express 5.0 x16 Slot (PCIE1)                      |
| 6   | BMC SMBus Header (BMC_SMB1)                           |
| 7   | Clear CMOS Pad (CLRMOS1)                              |
| 8   | Speaker Header (SPEAKER1)                             |
| 9   | Non Maskable Interrupt Button (NMI_BTN1)              |
| 10  | CM Board Standby Power Header (CM_SB_R1)              |
| 11  | M.2 Socket (M2_2) (Type 2280/22110)                   |
| 12  | PWM Configuration Header (PWM_CFG1)                   |
| 13  | 2 x 288-pin DDR5 DIMM Slots (DDR5_A1, DDR5_C1)        |
| 14  | 2 x 288-pin DDR5 DIMM Slots (DDR5_B1, DDR5_E1)        |
| 15  | LGA-6096 CPU Socket (CPU1)                            |
| 16  | Mini Cool Edge IO Connector (MCIO3)                   |
| 17  | Mini Cool Edge IO Connector (MCIO1)                   |
| 18  | Mini Cool Edge IO Connector (MCIO2)                   |
| 19  | PSU SMBus Header (PSU_SMB1)                           |
| 20  | Backplane PCI Express Hot-Plug Connector (CPU1_HSBP1) |
| 21  | USB 3.2 Gen1 Header (USB3_3_4)                        |
| 22  | ATX 12V Power Connector (ATX12V1)                     |
| 23  | ATX 12V Power Connector (ATX12V2)                     |
| 24  | Mini Cool Edge IO Connector (MCIO4)                   |
| 25  | HDD Power Connector (HDD_PWR1)                        |
| 26  | System Fan Connector (FAN1)                           |
| 27  | System Fan Connector (FAN2)                           |
| 28  | System Fan Connector (FAN3)                           |
| 29  | System Fan Connector (FAN4)                           |
| 30  | System Fan Connector (FAN5)                           |
| 31  | System Fan Connector (FAN6)                           |
| 32  | System Fan Connector (FAN7)                           |
| 33  | System Fan Connector (FAN8)                           |
| 34  | Mini Cool Edge IO Connector (MCIO5)                   |

| No. | Description                                    |
|-----|------------------------------------------------|
| 35  | ATX 12V Power Connector (ATX12V3)              |
| 36  | ITX Auxiliary Panel Header (ITX_AUX_PANEL1)    |
| 37  | Auxiliary Panel Header (AUX_PANEL1)            |
| 38  | System Panel Header (PANEL1)                   |
| 39  | Front Panel Board Header (J1)                  |
| 40  | SATA SGPIO Connector (SATA_SGPIO1)             |
| 41  | SATA SGPIO Connector (SATA_SGPIO2)             |
| 42  | SATA SGPIO Connector (SATA_SGPIO3)             |
| 43  | Mini Cool Edge IO Connector (MCIO6)            |
| 44  | Mini Cool Edge IO Connector (MCIO8)            |
| 45  | Mini Cool Edge IO Connector (MCIO7)            |
| 46  | 2 x 288-pin DDR5 DIMM Slots (DDR5_K1, DDR5_H1) |
| 47  | 2 x 288-pin DDR5 DIMM Slots (DDR5_I1, DDR5_G1) |
| 48  | M.2 Socket (M2_1) (Type 2280/22110)            |
| 49  | OCuLink Connector (2 SATA 6Gb/s) (OCU1)        |
| 50  | SPI TPM Header (TPM_BIOS_PH1)                  |
| 51  | PCI Express 5.0 x8 Slot (PCIE3)                |
| 52  | PCI Express 5.0 x16 Slot (PCIE2)               |
| 53  | OCP 3.0 Gen4 x16 Mezzanine Card Slot (OCP1)    |

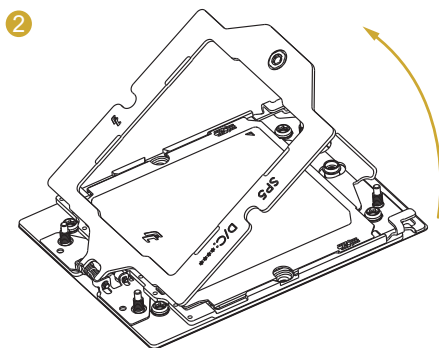
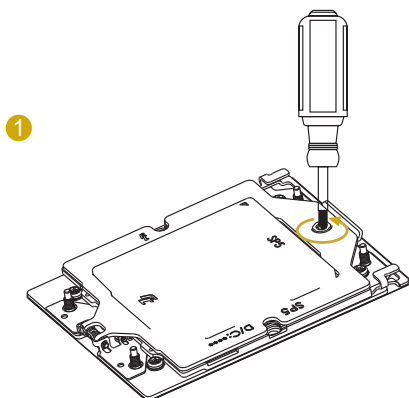
4.2 Block Diagram



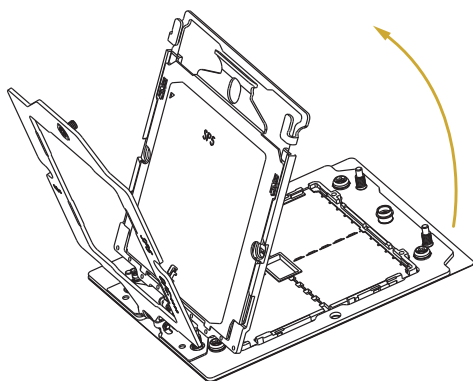
## 4.3 Installing the CPU and Heatsink (LGA 6096 Socket)



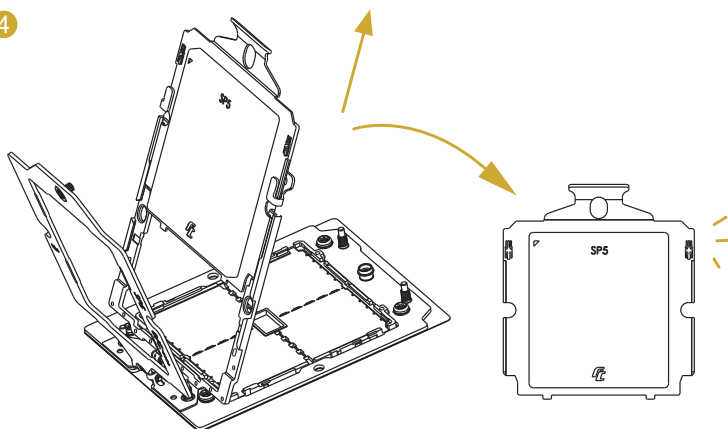
1. Before inserting the CPU into the socket, check if the PnP cap is on the socket, if the CPU surface is unclean, or if there are any bent pins in the socket. Do not force to insert the CPU into the socket if above situation is found. Otherwise, the CPU will be seriously damaged.
2. Unplug all power cables before installing the CPU.



3

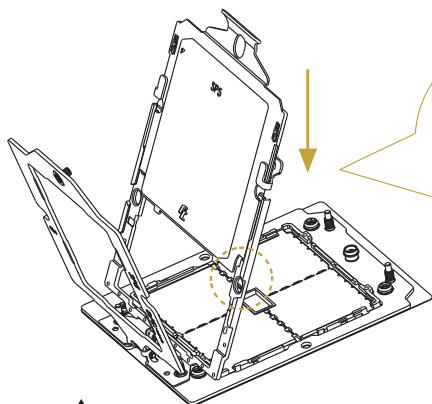


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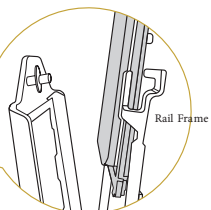




5



Carrier Frame with CPU



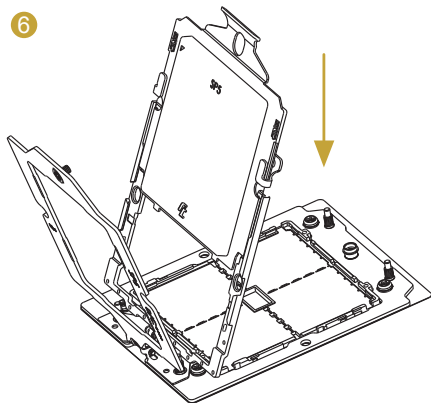
Rail Frame

Please make sure that the carrier frame with CPU is closely attached to the rail frame while inserting it.

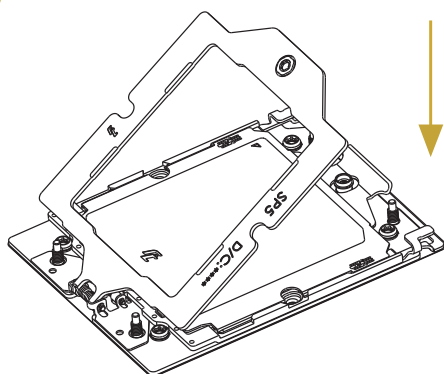


Install the carrier frame with CPU. Don't separate them.

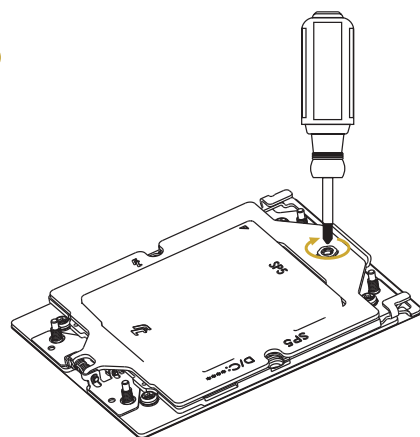
6



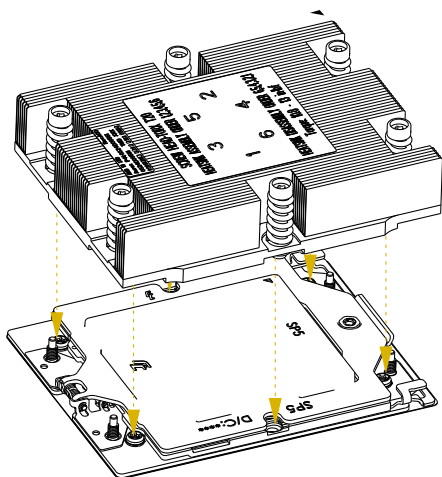
7



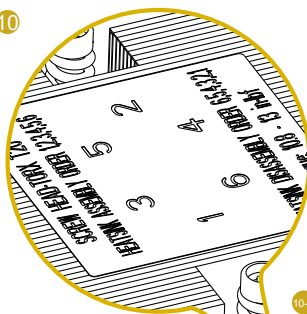
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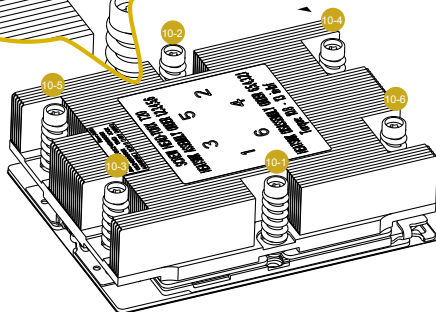
10



Set the torque wrench to 10.8-13.0 in.-lb.  
One fourth a turn each time.

Tighten the screws in a sequential order  
 $1 > 2 > 3 > 4 > 5 > 6$ .

Loosen the screws in a reverse order.

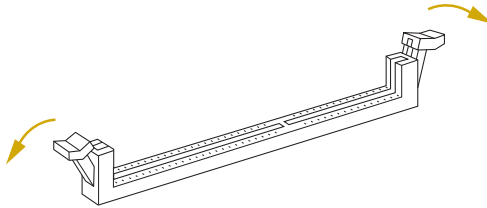


## 4.4 Installing the Memory Modules (DIMM)

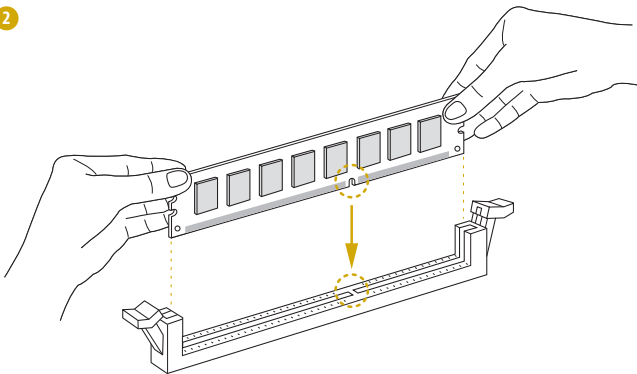


*The DIMM only fits in one correct orientation. It will cause permanent damage to the server motherboard and the DIMM if forcing the DIMM into the slot at incorrect orientation. For more information about DIMM installation, refer to the server motherboard user manual.*

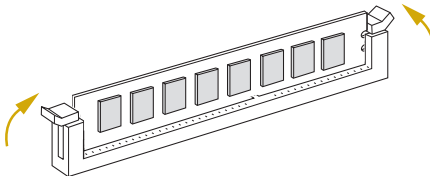
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2



3



## 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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