



P/N: 15G065340000AR V1.0

Quick Installation Guide

1U24E1S-GENOA/2L2T



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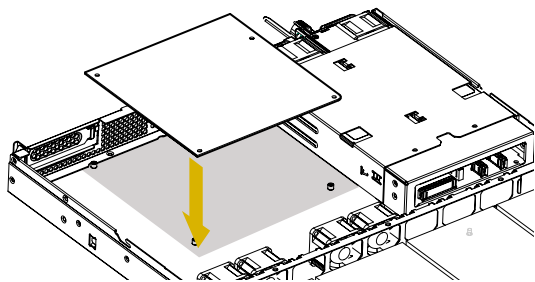
The User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

Take note of the following precautions before installing the components or change any settings.

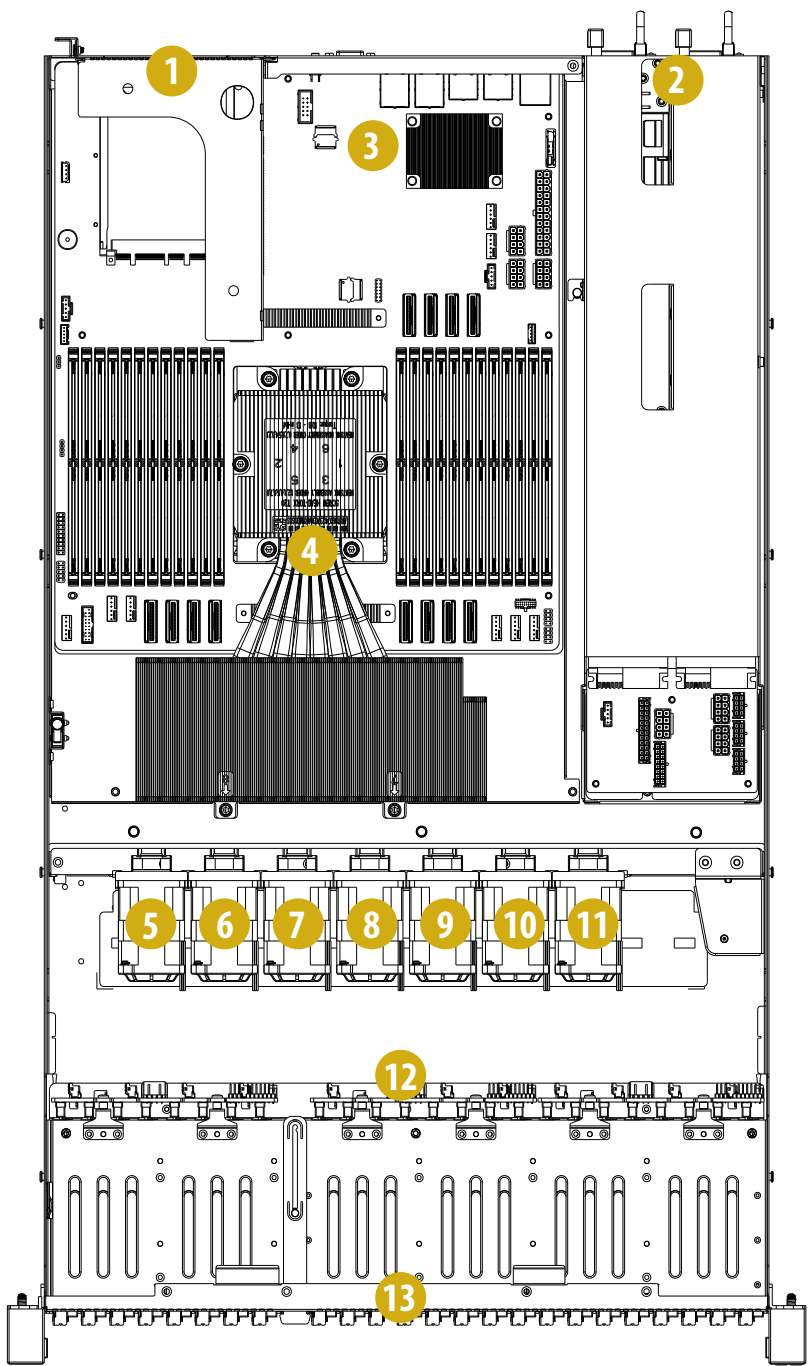
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.
3. Hold components by the edges and do not touch the ICs.
4. Whenever uninstalling any components, place them on a grounded anti-static pad or in the bag that comes with the components.
5. When placing screws into the screw holes to secure any components to the barebone, please do not over-tighten the screws! Doing so may damage both components and barebone.

1 Replace Server Board

- 1 Carefully unplug all cables and release screws on the server board to remove them from the barebone.
- 2 Align the replaced server board with the mounting holes.
- 3 Affix the screws clockwise into the mounting holes in all of the corners of the server board.
Do not over-tighten the screws.

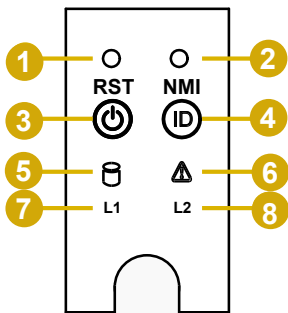


2 Internal Features



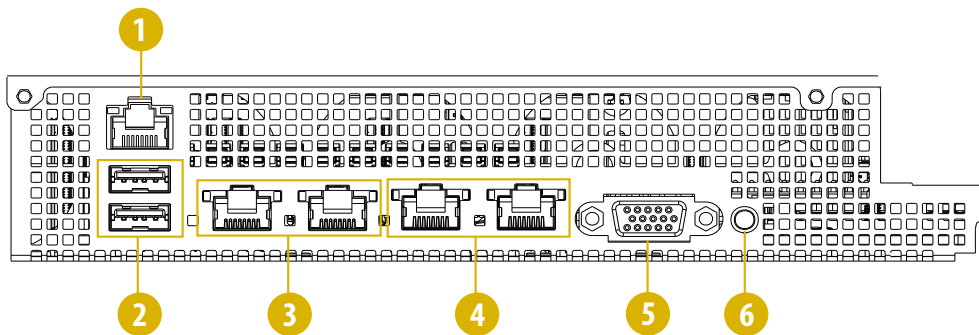
No.	Description
1	1 FHHL PCIe5.0 x16
2	1+1 Hot-swap slim RPSU
3	Server board
4	EVAC heatsink
5	System fan (FAN1)
6	System fan (FAN2)
7	System fan (FAN3)
8	System fan (FAN4)
9	System fan (FAN5)
10	System fan (FAN6)
11	System fan (FAN7)
12	3 Backplane boards (BPB)
13	24 Hot-swap E1.S (PCIe5.0 x4) drive bays, support 9.5mm/15mm width

3 Front I/O Panel



No.	Description
1	Reset button
2	NMI button
3	Power on/off button w/ LED
4	ID button w/ LED
5	Hard drive tray status LED (N/A)
6	System event LED
7	LAN1 LED
8	LAN2 LED

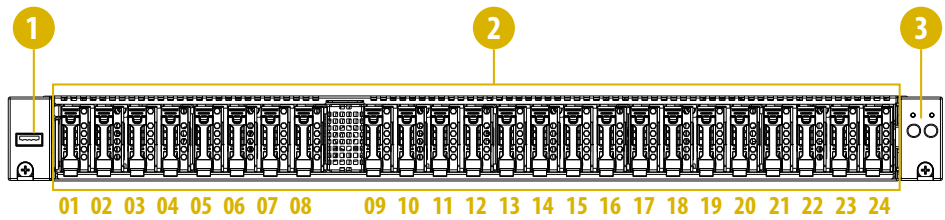
4 Rear I/O Panel



No.	Description
1	Dedicated IPMI LAN port
2	2 Type-A (USB 3.2 Gen1) ports
3	2 RJ-45 (1GbE) ports (LAN1, LAN2)

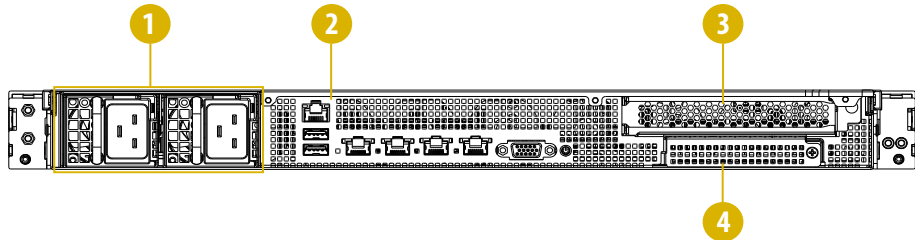
No.	Description
4	2 RJ-45 (10GbE) ports (LAN3, LAN4)
5	DB15 (VGA)
6	ID button w/ LED

5 System Front Panel



No.	Description
1	1 Type-A (USB3.2 Gen1)
2	24 Hot-swap E1.S (PCIe5.0 x4) drive bays (support 9.5mm/15mm width)
3	Front I/O panel

6 System Rear Panel

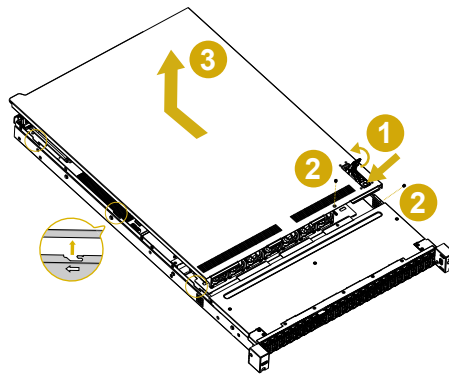


No.	Description
1	1+1 Hot-swap slim RPSU
2	Rear I/O panel (depends on the specifiaiton of the server board)
3	1 FHHL PCIe5.0 x16 slot
4	1 OCP NIC 3.0 (PCIe5.0 x16) slot

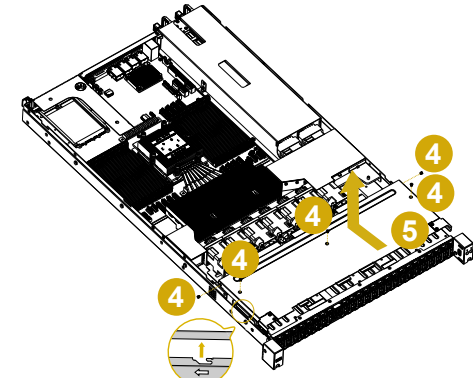
7 Remove and Install Top Cover

Remove Top Cover

Loosen the screw on the locking latch and press the button. Remove screws to remove rear cover.

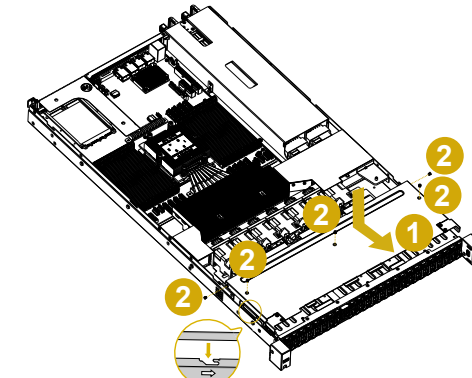


Remove the screws to remove front cover.

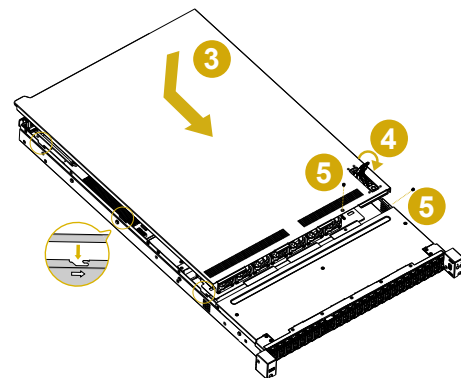


Install Top Cover

Align both sides with the cutouts and install the front cover in place with screws.

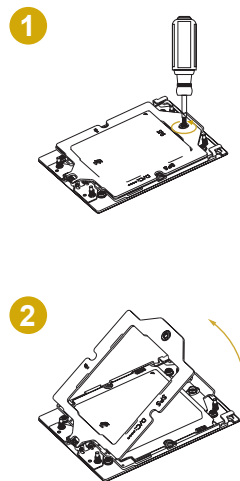


Align both sides with the cutouts to install rear cover in place. Press down the locking latch and tighten the screw. Secure cover with screws.

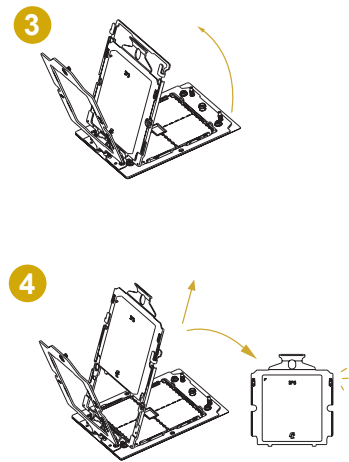


8 Install CPU and Heatsink (LGA6096 Socket)

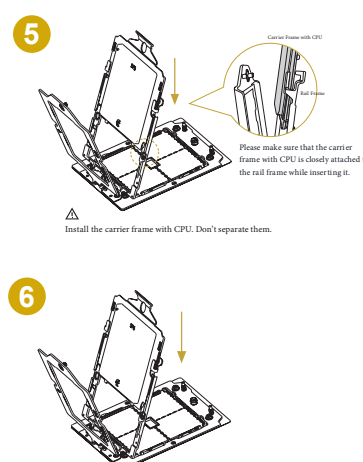
Open the first retention cover.



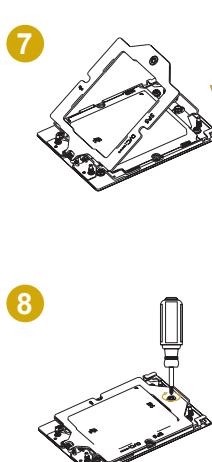
Open the second bracket. Take out the internal plastic cover.



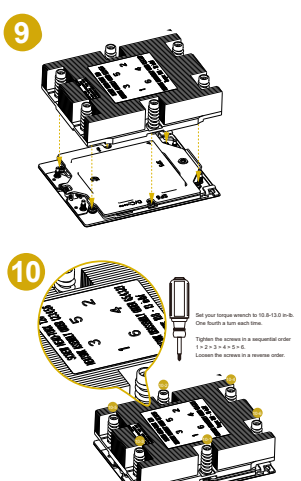
Install CPU along with the carrier frame. Do not separate them.



Close the bracket that holds the CPU. Secure the retention cover with screw.



Install the heatsink and secure it with screws.

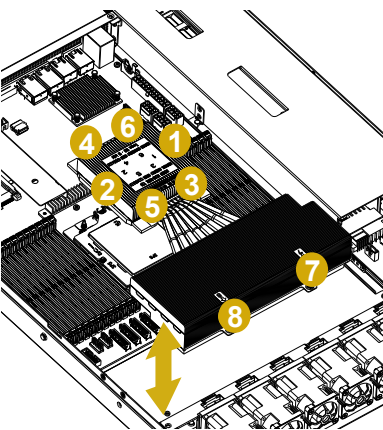


We recommend using the CPU installation tool to avoid CPU pin-bent problem.

9 Install EVAC

Tighten the screws in a sequential order 1 > 2 > 3 > 4 > 5 > 6 to install the EVAC.

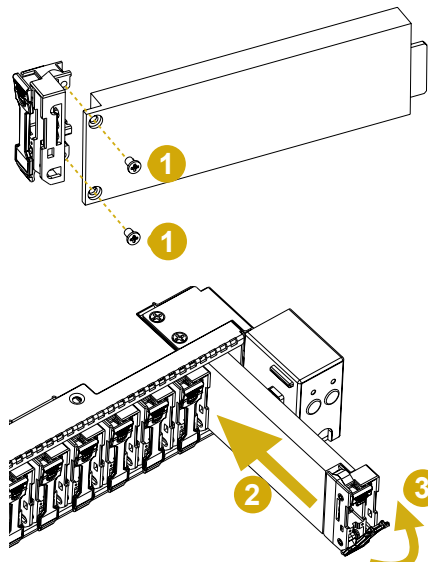
Note: Loosen the screws in a reverse order to remove the EVAC.



10 Install E1.S to the Southco Tray

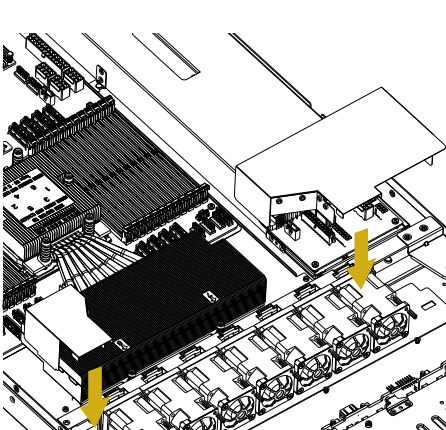
Take out the Southco drive trays and M2.5 screws from the accessory box. Place the E1.S drive to the tray and secure them with two screws.

Slide the E1.S assembly into the drive bay until it is fully seated. Push in the lever to lock the E1.S assembly in place.



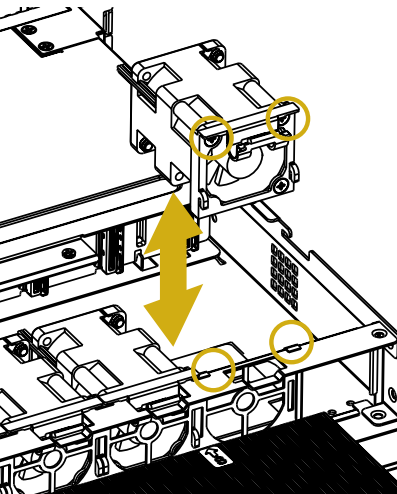
11 Install Air Duct

1. Align the air duct over the heat sink and carefully lower the air duct in place.
2. Align the duct cover over the air duct and fasten it to the air duct.



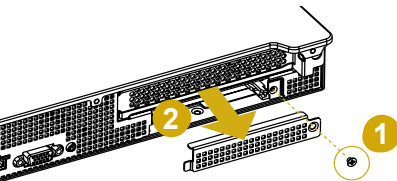
12 Replace System Fan

Press and hold the fan clip to replace the fan.

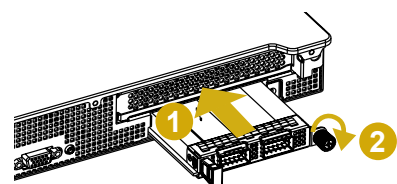


13 Install OCP Card

Remove the screw to remove the slot cover.

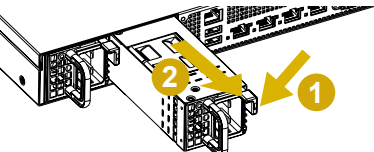


Install the OCP card to the slot and hand-tighten the thumbscrew on the face plate.

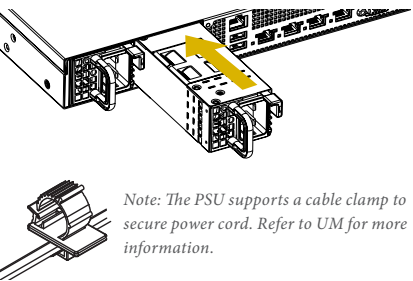


14 Replace Power Supply

Press the locking lever and hold the power supply handle simultaneously to pull the power supply unit out.



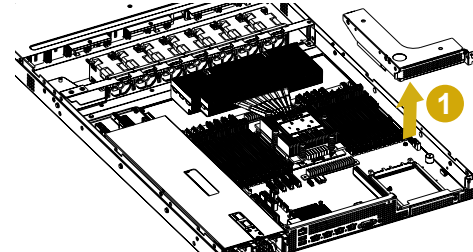
Align the PSU with the power bay. Slide the PSU into bay until it clicks into place.



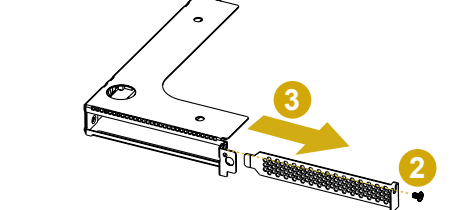
Note: The PSU supports a cable clamp to secure power cord. Refer to UM for more information.

15 Install GPU Card

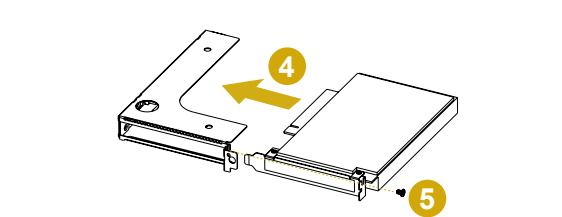
Lift up and remove the riser-card bracket from the chassis.



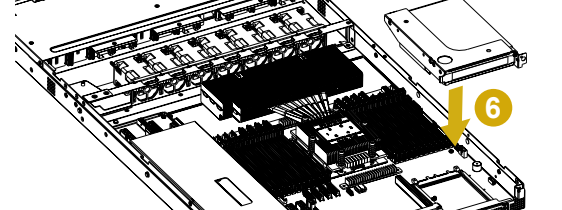
Remove the screw to slide the blanking plate out sideways.



Install the GPU card to the bracket and secure it with the screw.



Align the add-in card assembly with the opening of the chassis. Place it into the chassis.



Note: The illustration is for references only. The actual location may be slightly different by models.