



P/N: 15G065276000AR V1.0

Quick Installation Guide 1U12E-GENOA/2L2T



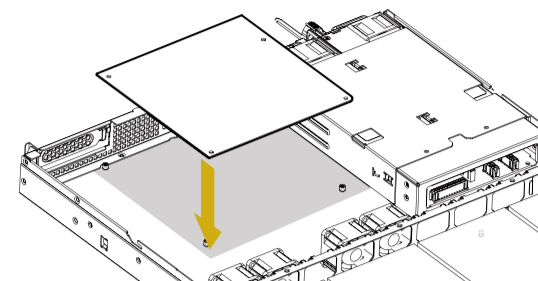
The User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

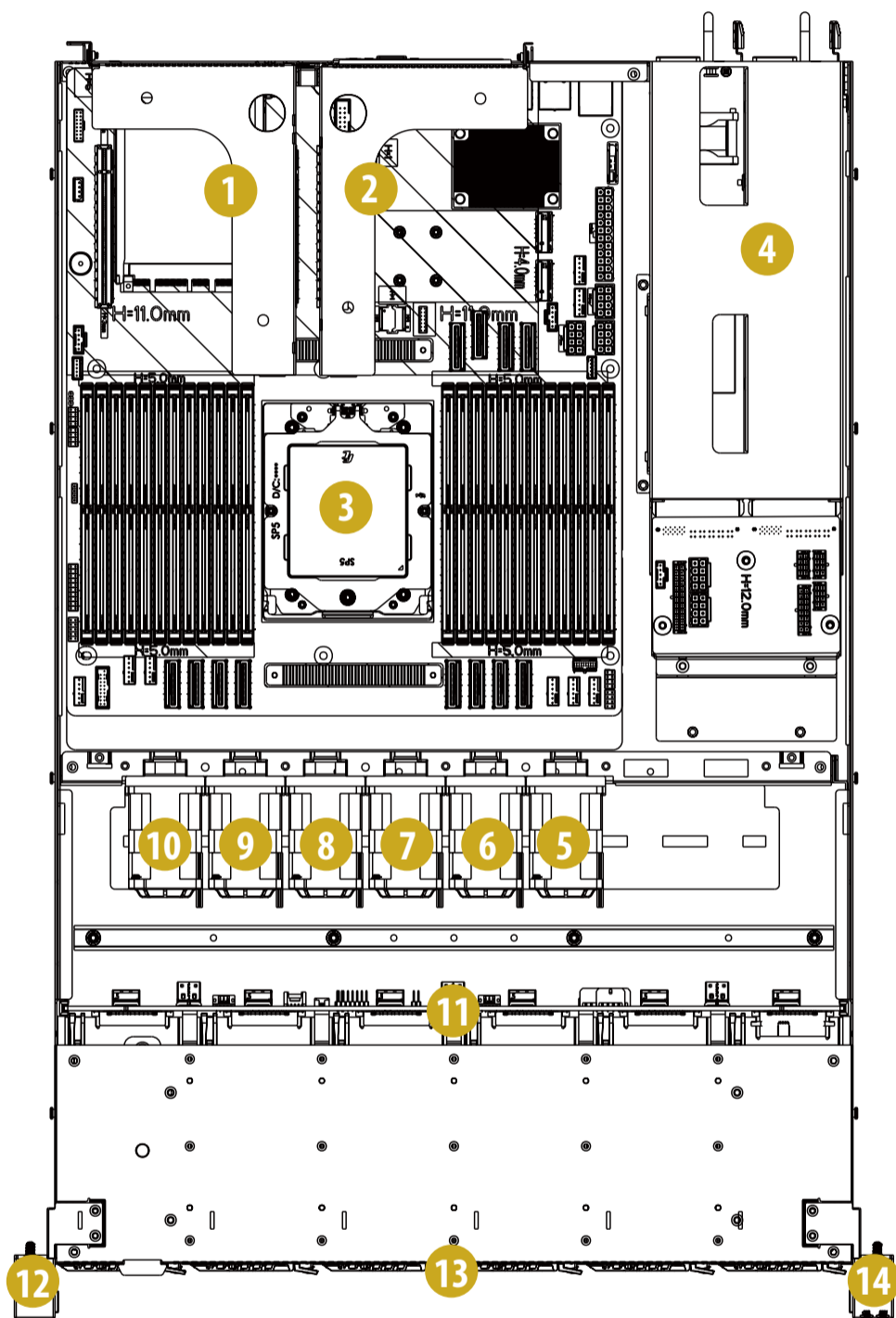
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.
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 thumbscrews 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

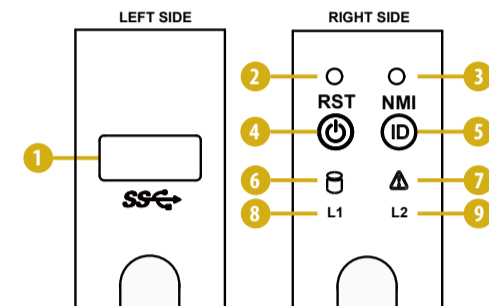


2 Top View



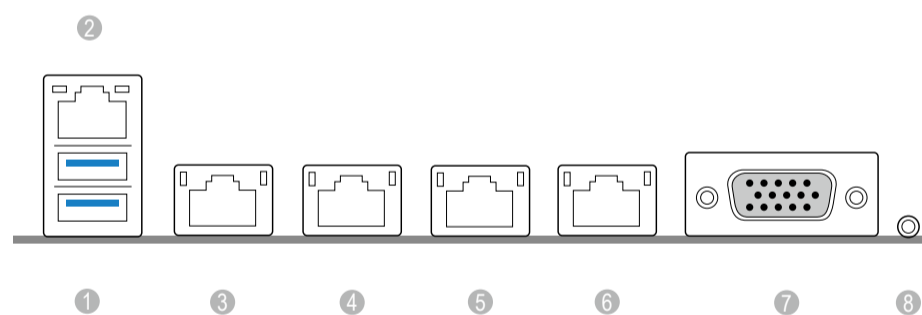
3 Control Panel

No.	From
1	Riser Card (PCIe x16) (RB1)
2	Riser Card (PCIe x16) (RB2)
3	Serverboard
4	2 x Power Supply Units (PSU)
5	System Fan 1
6	System Fan 2
7	System Fan 3
8	System Fan 4
9	System Fan 5
10	System Fan 6
11	2.5" HDD Backplane Board (BPB)
12	Front USB 3.2 Gen1 Port
13	12 x 2.5" HDD Trays (HDD1) (Hot-swappable)
14	Front Control Panel



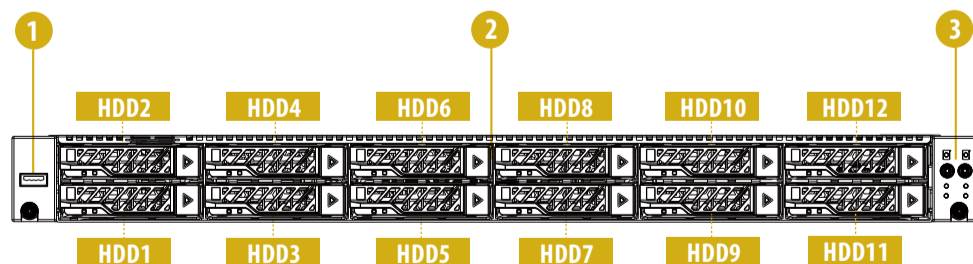
No.	Description
1	USB 3.2 Gen1 Port
2	System Reset Button
3	NMI (Nonmaskable Interrupt) Button
4	Power Button and LED
5	ID Button and LED
6	HDD Status LED
7	System Status LED
8	LAN1 and Activity LED
9	LAN2 and Activity LED

4 I/O Panel



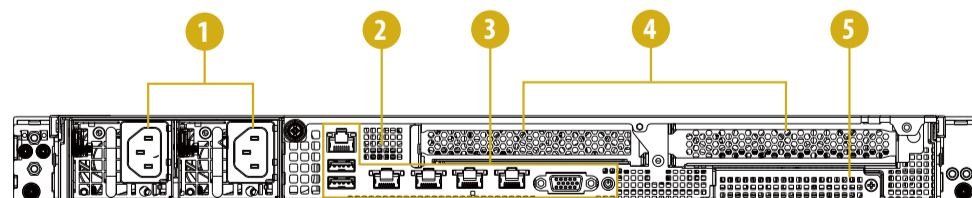
No.	Description	No.	Description
1	USB 3.2 Gen1 Ports (USB3_1_2)	5	10G LAN RJ-45 Port (LAN3)
2	IPMI LAN Header (IPMI_LAN1)	6	10G LAN RJ-45 Port (LAN4)
3	1G LAN RJ-45 Port (LAN1)	7	VGA Port (VGA)
4	1G LAN RJ-45 Port (LAN2)	8	UID Switch (UID)

5 Front Panel



No.	Description
1	1 x USB 3.2 Gen1 Port
2	12 x 2.5" Hot-Swap HDD Trays (2.5" NVMe / SATA SSD / SAS HDD)
3	Control Panel (depends on the specification of the server board)

6 Rear Panel

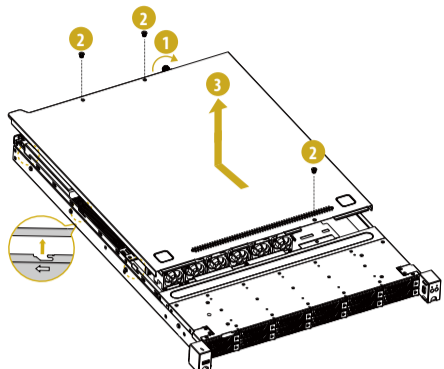


No.	Description
1	2 x Power Supply Units (PSU)
2	Rear Vent
3	I/O Shield (depends on the specification of the server board)
4	2 x PCI Express Slots (for the riser cards)
5	1 x OCP NIC 3.0 Slot (supports up to PCIE Gen5 device)

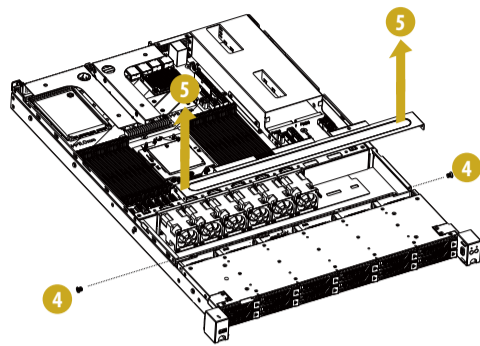


7 Remove and Install Top Cover

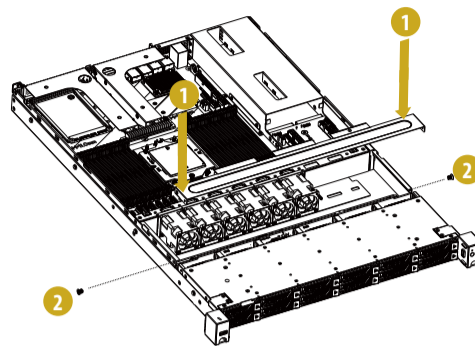
Release the rear and top rear cover screws and then remove them. Push the top rear cover to lift up and remove it.



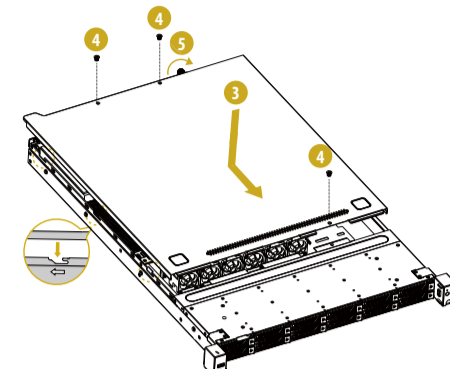
Remove all top front cover screws. Push the top front cover to lift up and remove it.



For installation, align both side latches with the cutouts. Lower and slide the top front cover toward the FRONT and secure it with screws to the chassis.

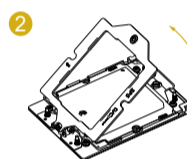
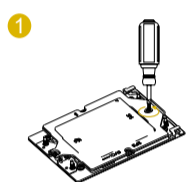


Lower and slide the top rear cover toward the FRONT and secure it with a rear thumbscrew and a top screw to the chassis.

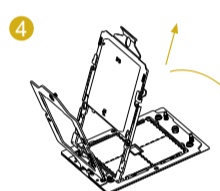
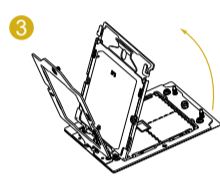


8 Install Processor and Heatsink

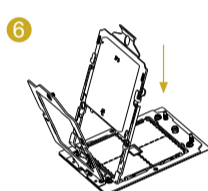
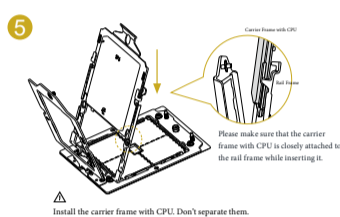
Locate the screw on the CPU socket and unscrew it. Open the first retention cover.



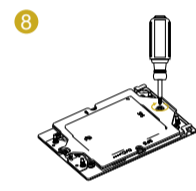
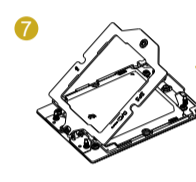
Open the second bracket. Take out the internal plastic cover.



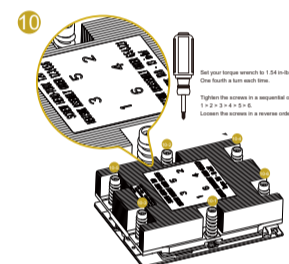
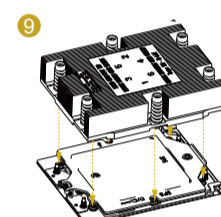
Install CPU along with the carrier frame, do not separate them. Please make sure the carrier frame with CPU is closely attached to the rail frame while inserting it.



Close the bracket that holds the CPU. Close the retention cover and fasten the screw.



Install the heatsink to the CPU carrier. Secure the heatsink to the CPU carrier with a screwdriver.

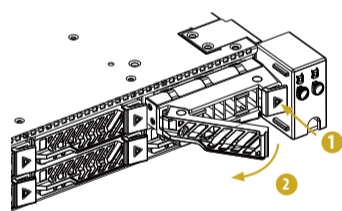


We recommend using the CPU Installation tool to avoid CPU pin-bent problem.

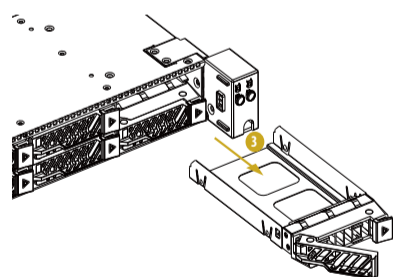
9 Remove HDD Tray and Install Hard Drive

Remove HDD Tray

Press the locking lever latch to open the lever.

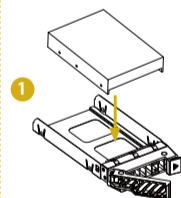


Pull the driver carrier out.

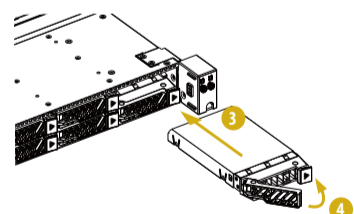
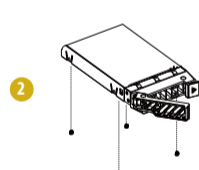


Install 2.5" Hard Drive

Place the HDD into the carrier with printed circuit board side facing down.



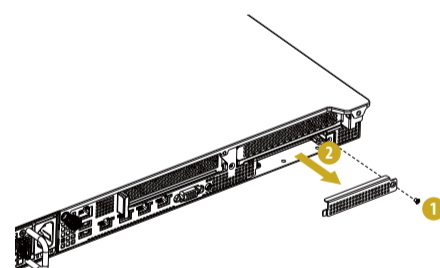
Use the screws to secure the HDD. Slide the driver carrier into the HDD bay. Push in the locking lever to lock the HDD carrier into place.



10 Install OCP

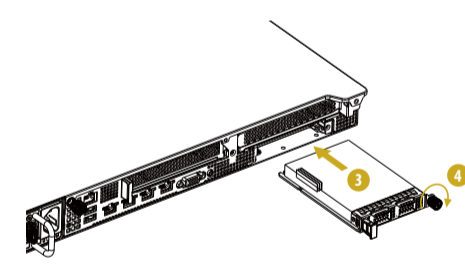
Remove Slot Cover

Release the thumbscrew that secures the slot cover to the chassis and remove the slot cover.



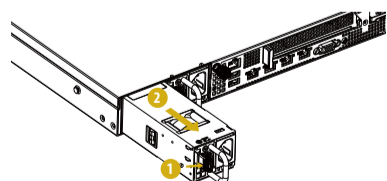
Install OCP Card

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

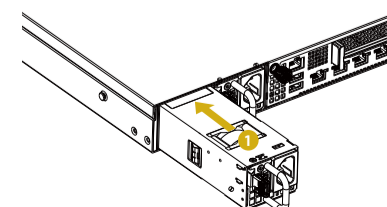


11 Replace PSU

Press the locking lever and hold on the handle to pull the Old PSU out.

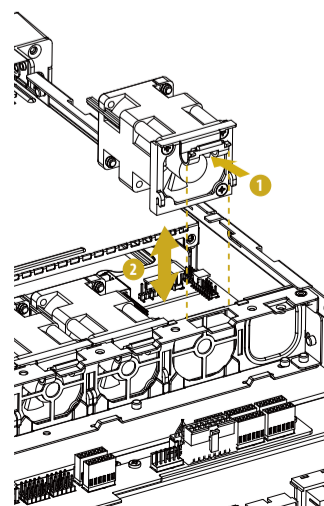


Slide the New PSU into the power supply



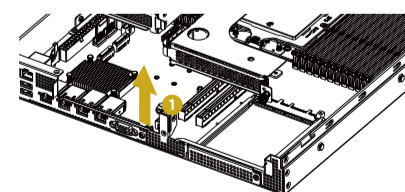
12 Replace FAN

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

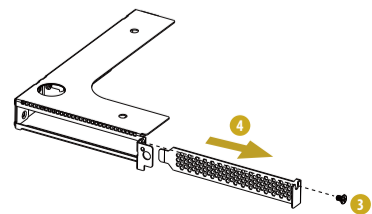


13 Replace Add-On Card

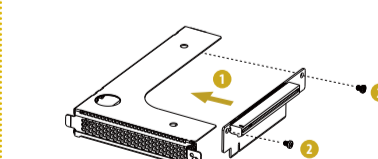
Release the thumbscrew to lift up the riser-card bracket.



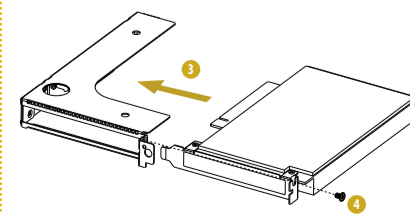
Remove the screw to slide the blanking plate out.



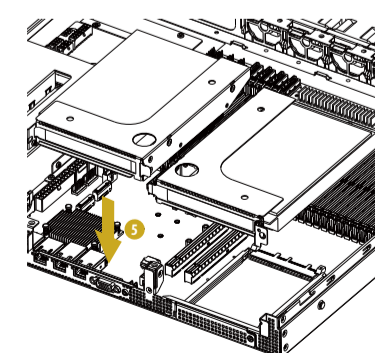
Install riser card to the bracket and secure it with screws.



Install the add-on card to the bracket assembly and secure it with a screw.



Install the riser-card assembly to the chassis with the thumbscrew.



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