



P/N: 15G065281000AR V1.0

Quick Installation Guide
1U8S4E-GENOA/2T



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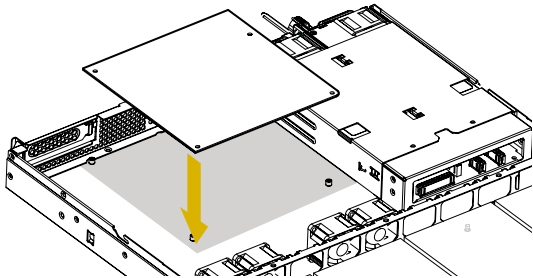
The User Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

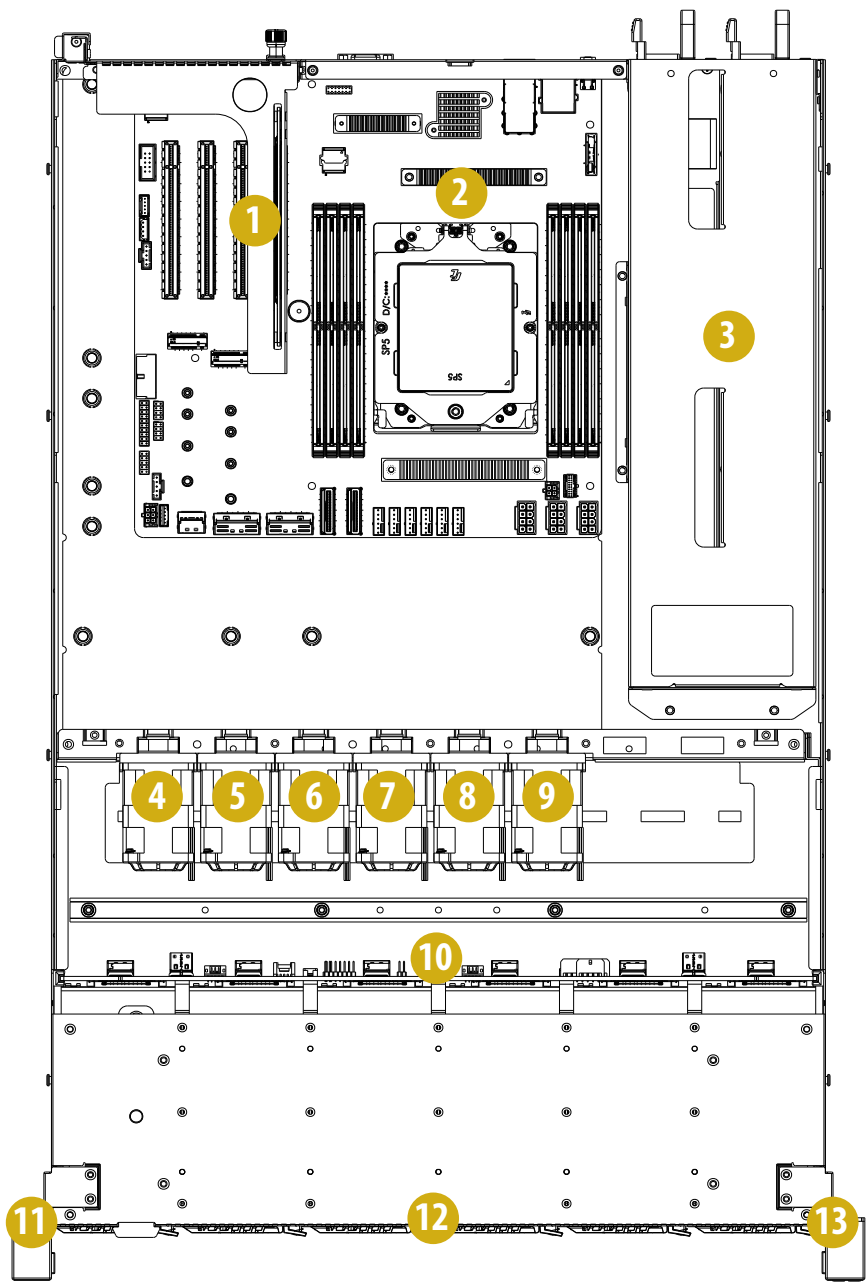
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

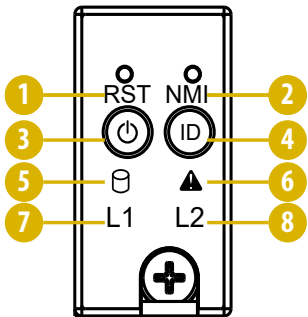
- 1 Carefully unplug all cables and release thumbscrews on the server motherboard to remove them from the barebone.
- 2 Align the replaced server motherboard with the mounting holes.
- 3 Affix the screws clockwise into the mounting holes in all of the corners of the server motherboard.
Do not over-tighten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



2 Internal Features

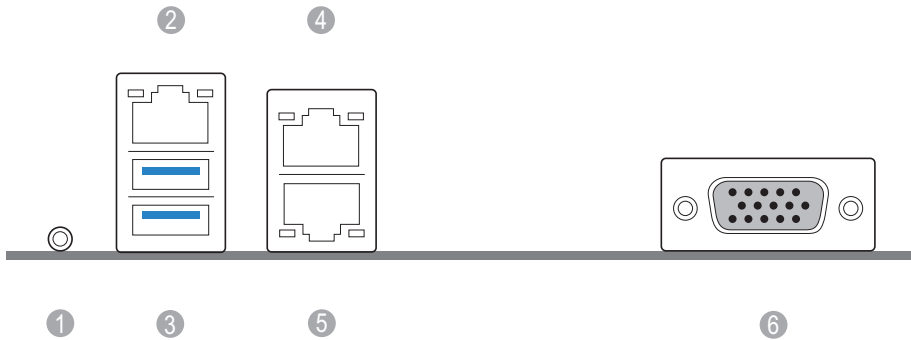


No.	Description
1	1 FHHL PCIe5.0 x16 slot
2	Server motherboard
3	1+1 Slim PSU
4	System fan (FAN1)
5	System fan (FAN2)
6	System fan (FAN3)
7	System fan (FAN4)
8	System fan (FAN5)
9	System fan (FAN6)
10	2.5" Drive backplane board
11	1 Type-A (USB3.2 Gen1) port
12	12 Hot-swap 2.5" drive bays
13	Front I/O panel



No.	Description
1	System reset button
2	NMI button
3	Power button w/ LED
4	ID button w/ LED
5	Hard drive activity LED
6	System event LED
7	LAN1 activity LED
8	LAN2 activity LED

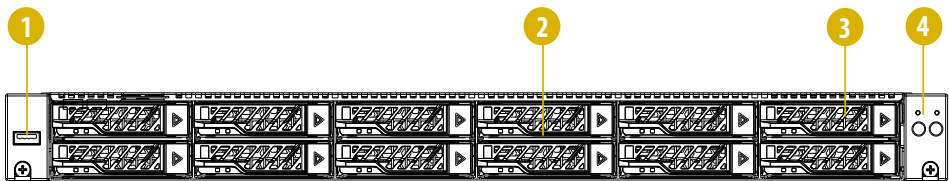
4 Rear I/O Panel



No.	Description
1	UID button w/ LED
2	Dedicated IPMI LAN port
3	2 Type-A (USB3.2 Gen1) ports

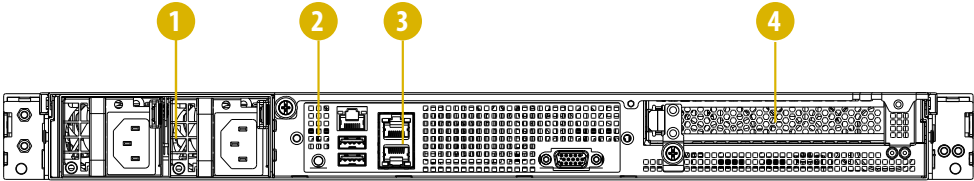
No.	Description
4	RJ45 (10GbE) LAN port (LAN1)
5	RJ45 (10GbE) LAN port (LAN2)
6	DB15 (VGA) port

5 Sytem Front Panel



No.	Description
1	1 Type-A (USB3.2 Gen1) port
2	8 Hot-swap 2.5" SATA drive bays
3	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays
4	Front I/O panel

6 System Rear Panel

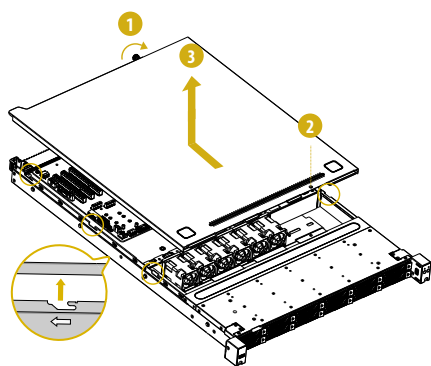


No.	Description
1	1+1 Slim PSU
2	Rear vent
3	Rear I/O panel (depends on the specification of the server motherboard)
4	1 FHHL PCIe5.0 x16 slot

7 Remove and Install Top Cover

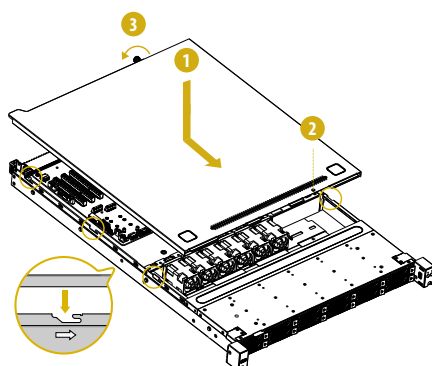
Removing the Server Top Cover

1. Hand-release the thumbscrew on the rear side of the chassis.
2. Remove the screw securing the top rear cover to the chassis.
3. Push the top rear cover toward the REAR of the chassis to release the cover from the locked position. Lift up and remove the cover.



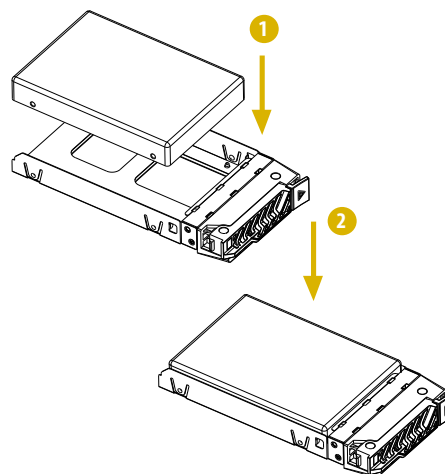
Installing the Server Top Cover

1. Lower the top rear cover on the chassis, making sure the side latches align with the cutouts. Slide the top rear cover toward the FRONT of the chassis.
2. Secure the top rear cover in place with a screw.
3. Hand-tighten the thumbscrew on the rear side of the chassis.

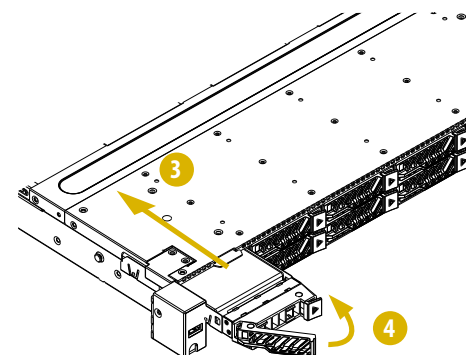


8 Install Hard Drive to the Chassis

1. Engage one side of hard drive into the hard drive tray by aligning the side bracket.
2. Carefully push down the other side of the hard drive until it is locked in place.

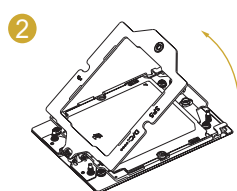
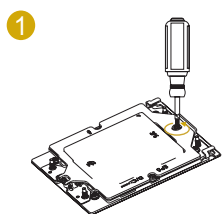


3. Slide the tray into the hard drive bay until the drive is fully seated.
4. Push in the locking lever to lock the tray in place.

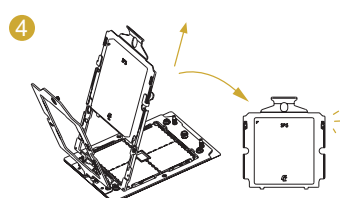
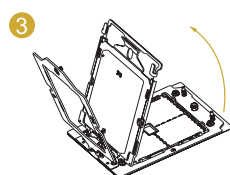


9 Install CPU and Heatsink (LGA 6096 Socket)

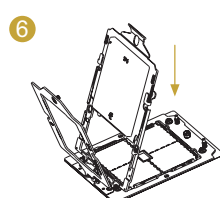
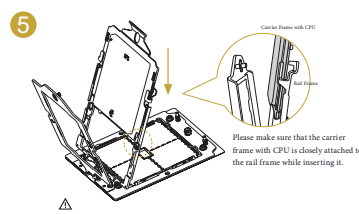
Locate the screw on the CPU socket and unscrew it. Open the first retention cover.



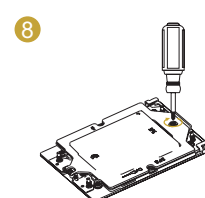
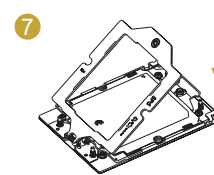
Open the second bracket. Take out the internal plastic cover.



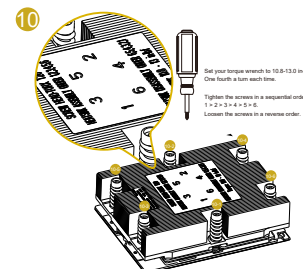
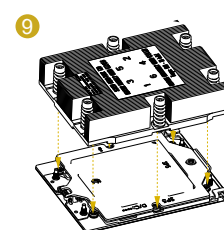
Install CPU along with the carrier frame. Do not separate them. Make sure the carrier frame with CPU is closely attached to the rail frame while inserting it.



Close the bracket holding the CPU. Close the retention cover and fasten the screw.



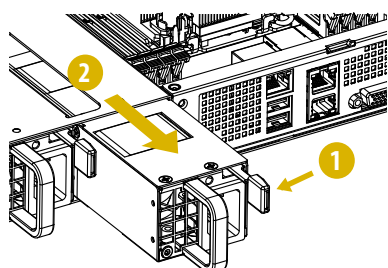
Install the heatsink to the CPU carrier. Secure the heatsink to the CPU carrier with a screwdriver.



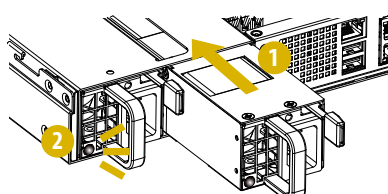
Note: We recommend using the CPU installation tool to avoid CPU pin-bent problem.

10 Power Supply

1. Hold onto the power supply handle while pressing the locking lever towards the power supply handle.
Note: The illustration is for references only. The actual PSU type may slightly differ by models.
2. Pull out the PSU from the chassis.

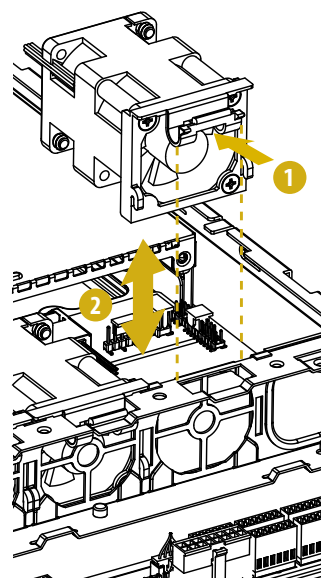


1. Align the power supply unit with the power supply bay. Ensure the LED appears on the lower left when installing the PSU.
2. Carefully slide the PSU all the way into the bay until the PSU clicks into place.



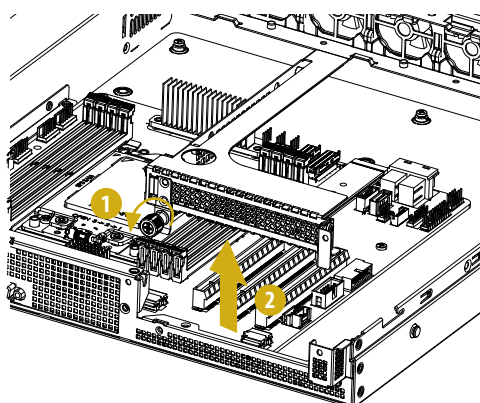
11 System Fan

1. Press and hold the clip on the fan. Align the mounting holes on the fan bar with the fan mount on the replacement fan. Be aware of the mount location of each fan.
2. Gently place the fan on the fan bar. Make sure the fan is well seated. Connect the end of the fan cable to the fan connector.

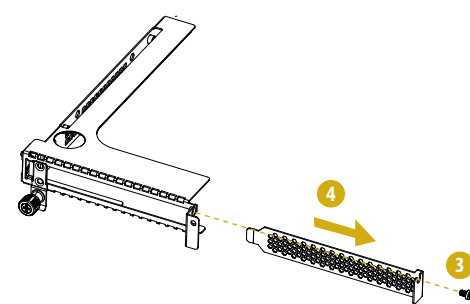


12 Install Add-in Card

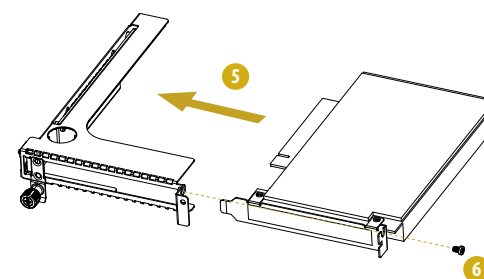
1. Hand-release the thumbscrew securing the riser-card bracket on the chassis.
2. Lift up the riser-card bracket.



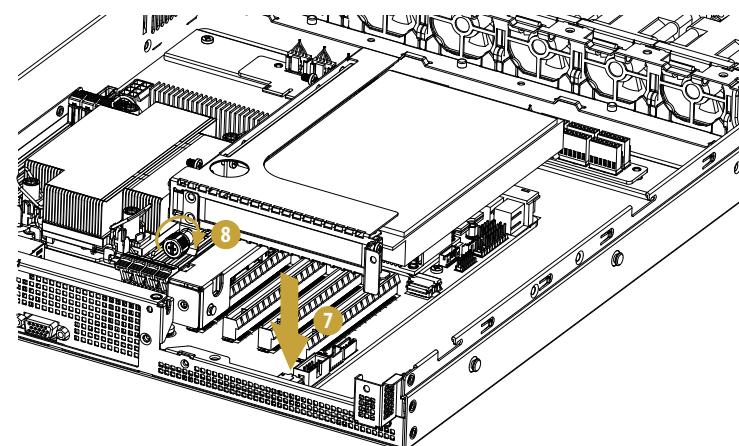
3. Remove the screw securing the blanking plate on the bracket.
4. Slide the blanking plate out sideways.



5. Install the add-in card to the riser-card bracket.
6. Secure the add-in card to the bracket with the screw.



7. Align the add-in card assembly with the opening of the chassis.
8. Hand-tighten the thumbscrew to secure the assembly to the chassis.



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