P/N: 15G065301000AR V1.0

Quick Installation Guide

1U4L-GENOA/2T

ASRock Rack
www.asrockrack.com

1U4L-GENOA/2T

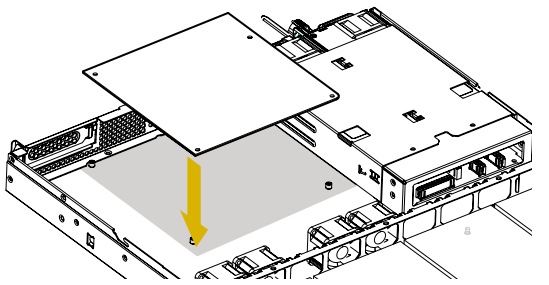
The User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

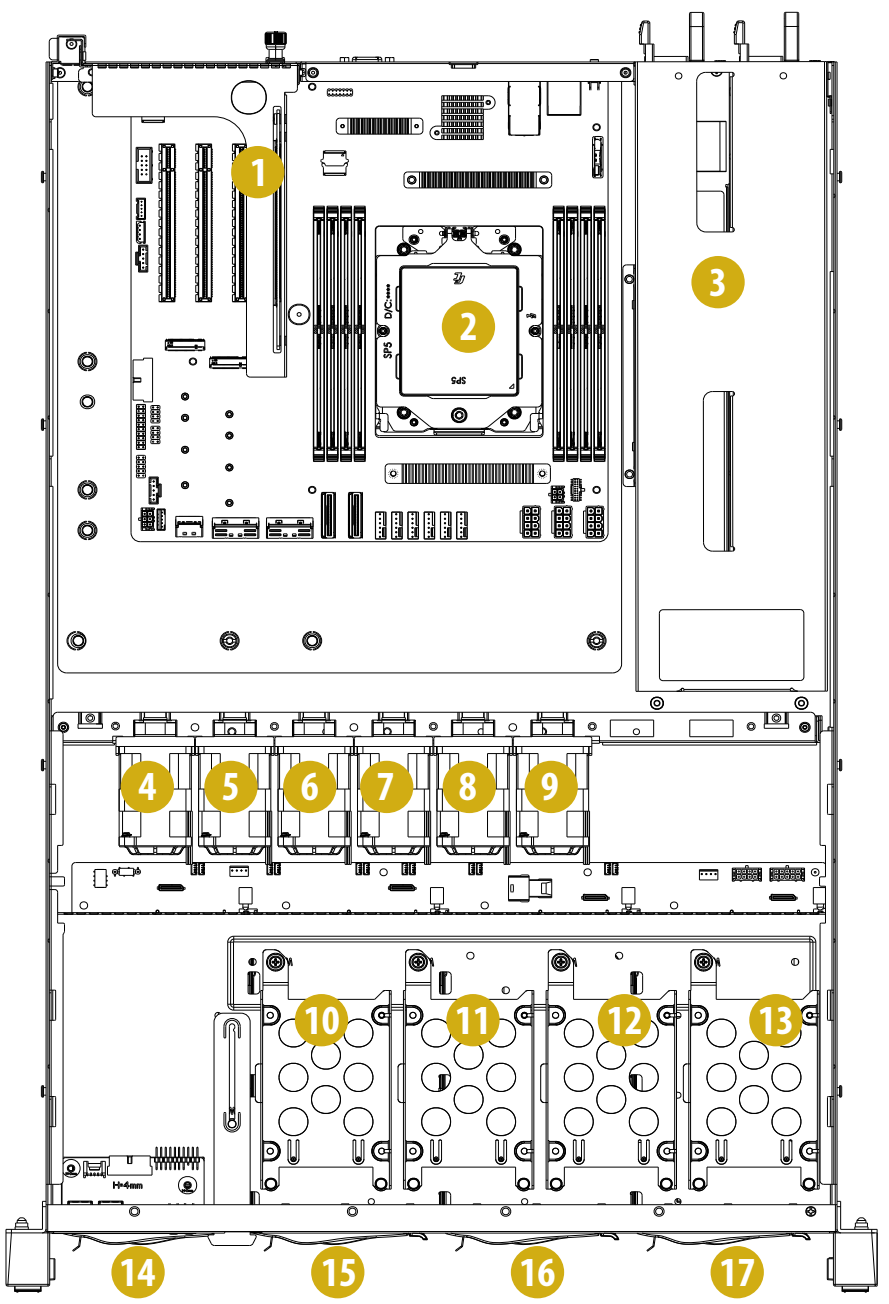
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

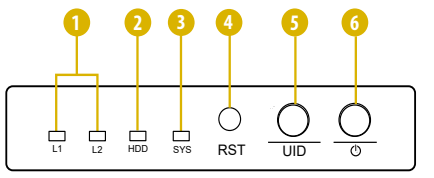


2 Internal Features



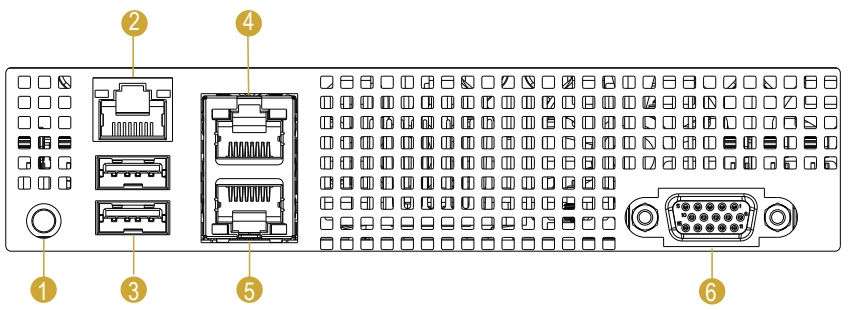
No.	Description
1	Add-in Card
2	Server board
3	1+1 Slim PSU
4	System fan (FAN6)
5	System fan (FAN5)
6	System fan (FAN4)
7	System fan (FAN3)
8	System fan (FAN2)
9	System fan (FAN1)
10	Fixed 2.5" SATA drive bay (HDD0)
11	Fixed 2.5" SATA drive bay (HDD1)
12	Fixed 2.5" SATA drive bay (HDD2)
13	Fixed 2.5" SATA drive bay (HDD3)
14	Hot-swap 3.5" SATA drive bay (HDD1)
15	Hot-swap 3.5" SATA drive bay (HDD2)
16	Hot-swap 3.5" SATA drive bay (HDD3)
17	Hot-swap 3.5" SATA drive bay (HDD4)

3 Front I/O Panel



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

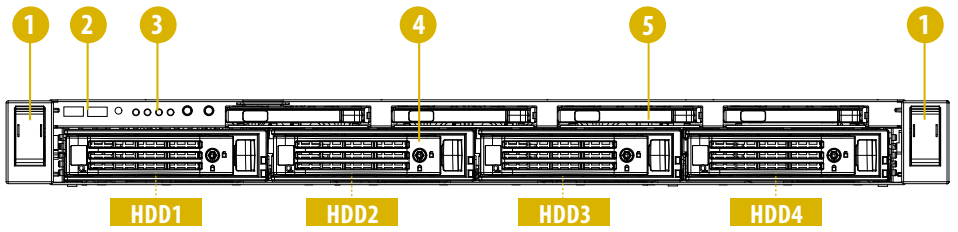
4 Rear I/O Panel



No.	Description
1	UID button w/ LED (UID1)
2	Dedicated IPMI port (IPMI_LAN1)
3	2 Type-A (USB3.2 Gen1) ports (USB3_1_2)

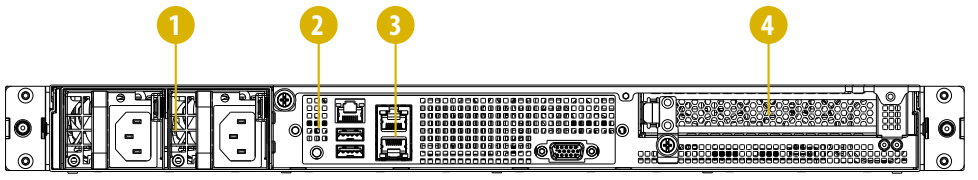
No.	Description
4	RJ45 (10GbE) port (LAN_1)
5	RJ45 (10GbE) port (LAN_2)
6	DB15 (VGA1)

5 System Front Panel



No.	Description
1	Thumbscrew covers
2	2 Type-A (USB3.2 Gen1) ports
3	Front I/O panel
4	4 Hot-swap 3.5" SATA drive bays
5	4 Fixed 2.5" SATA drive bays

6 System Rear Panel

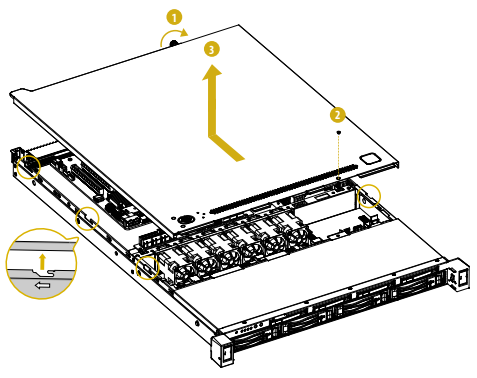


No.	Description
1	1+1 Slim PSU
2	Rear vent
3	Rear I/O panel (depends on the specification of the server board)
4	PCIe slot (for the riser-card)

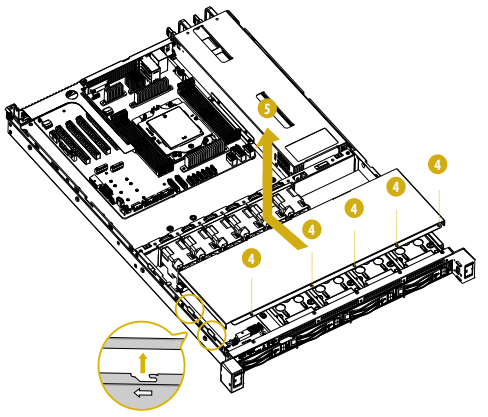
7 Remove and Install Top Cover

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.

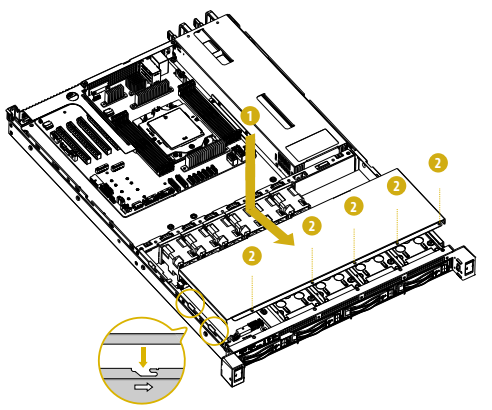


4. Remove all screws securing the top front cover to the chassis.
5. Push the top front cover toward the REAR of the chassis to release the cover from the locked position. Lift up and remove the cover.

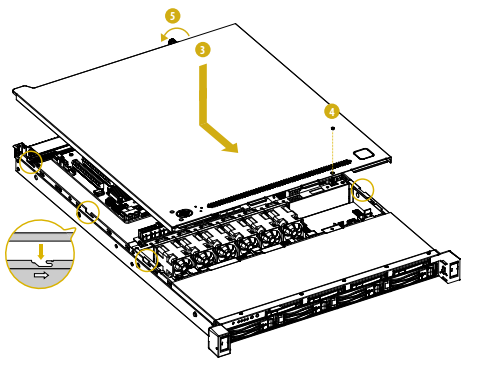


Installing the Server Top Cover

1. Lower the top front cover on the chassis, making sure the side latches align with the cutouts. Slide the cover toward the FRONT of the chassis.
2. Secure the cover to the chassis with screws.

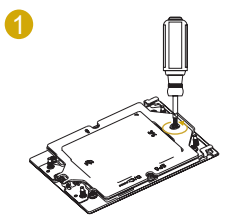


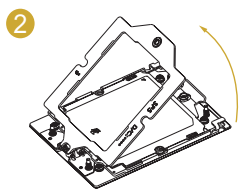
3. Lower the top rear cover on the chassis, making sure the side latches align with the cutouts. Slide the cover toward the FRONT of the chassis.
4. Secure the cover in place with the screw.
5. Hand-tighten the thumbscrew on the rear side of the chassis.



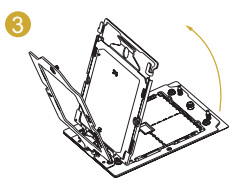
8 Install CPU and Heatsink (LGA6096 Socket)

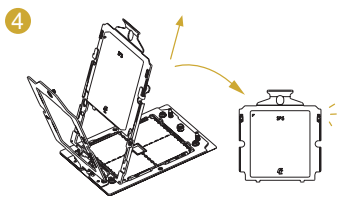
Locate the screw on the CPU socket and unscrew it. Open the first retention cover.



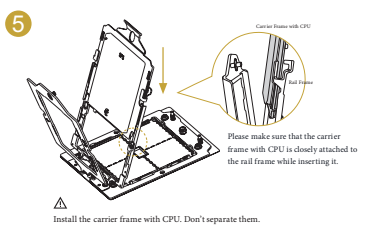


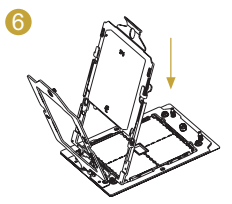
Open the second bracket. Take out the internal plastic cover.



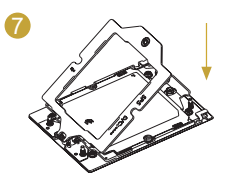


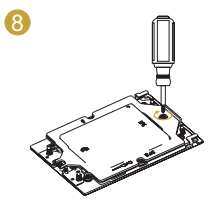
Install CPU along with the carrier frame. Do not separate them. Make sure the carrier frame with CPU is closely attached to the rail frame while inserting it.



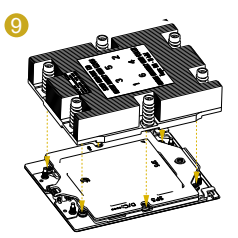


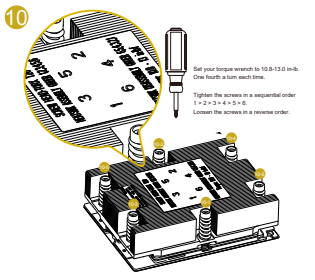
Close the bracket holding the CPU. Close the retention cover and fasten the screw.





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





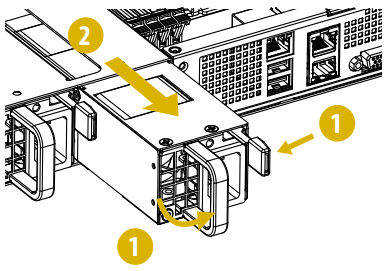
Note: We recommend using the CPU installation tool to avoid CPU pin-bent problem.

9 Replace Power Supply

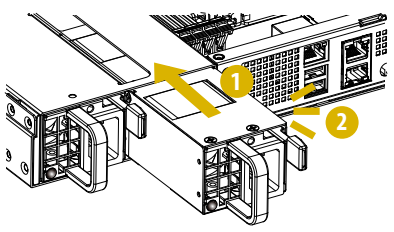
1. Hold onto the power supply handle while pressing the locking lever towards the power supply handle.

Note: The illustration is for references only. The actual PSU type may be slightly differnet by models.

2. Pull out the power supply unit from the chassis.

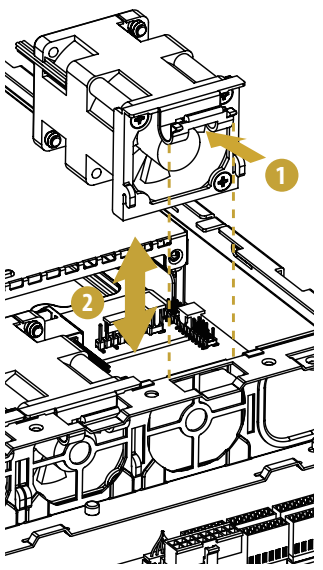


1. Align the power supply unit with the power supply bay. Ensure the LED appears on the lower left when installing the power supply unit.
2. Carefully slide the PSU all the way into the power supply bay until it clicks into place.



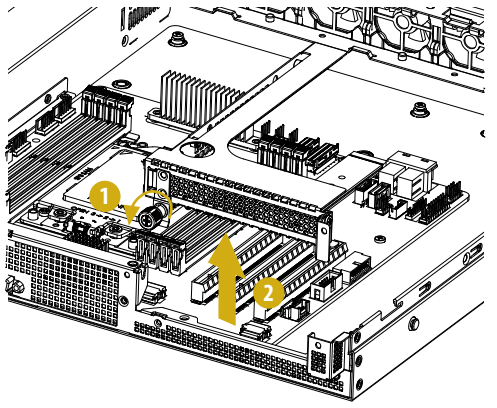
10 System Fan

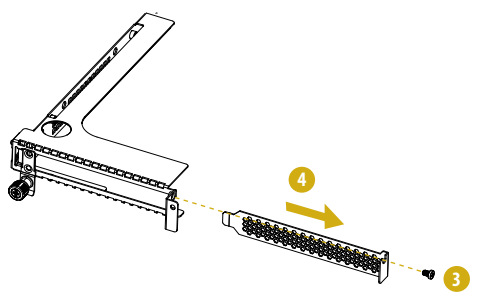
1. Press and hold the clip on the fan. Align the mounting holes on the fan bar with the fan mount on the replacement fan. Be aware of the mount location of each fan.
2. Gently place the fan on the fan bar. Make sure the fan is well seated. Connect the end of the fan cable to the fan connector.



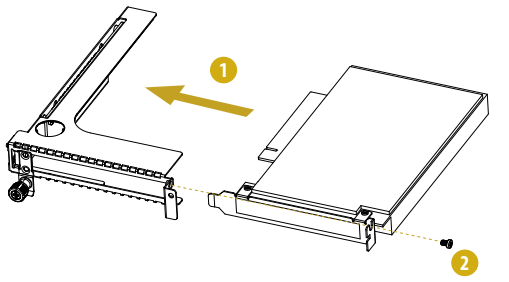
11 Install Add-in Card

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.

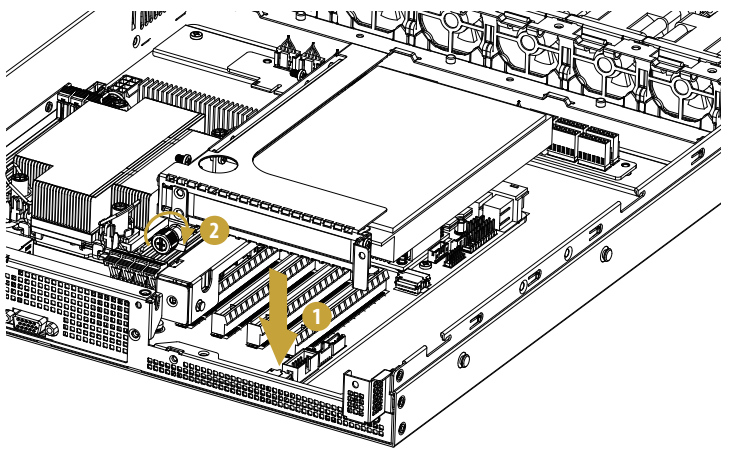




1. Install the add-in card to the riser-card bracket.
2. Secure the add-in card to the bracket with the screw.



1. Align the add-in card assembly with the opening of the chassis.
2. 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.