



P/N: 15G065351000AR V1.0

Quick Installation Guide

6U8M-GENOA2 MI300X



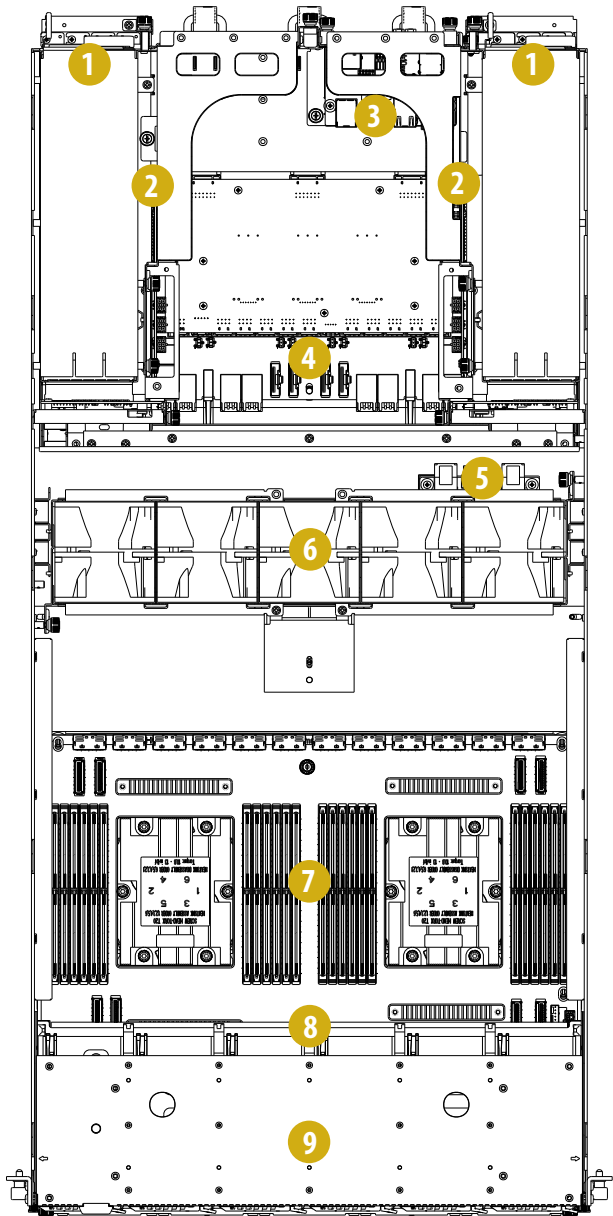
6U8M-GENOA2 MI300X

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.

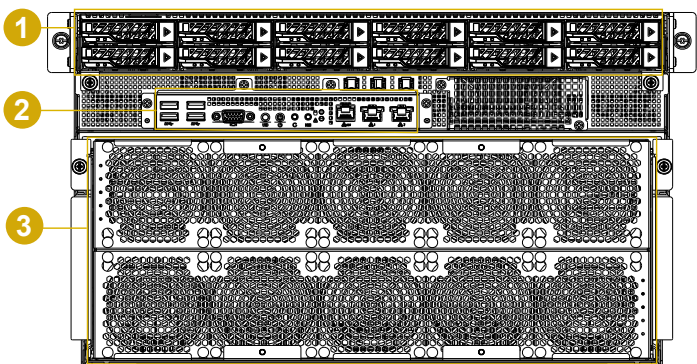
2 Internal Features



No.	Description
1	Upper: 4+4 CRPS Lower: 8 HHHL PCIe5.0 x16 slots
2	Upper: 3 FHHL PCIe5.0 x16 slots Lower: 6 Hot-swap 80x80mm rear fans
3	Rear I/O panel
4	Switch board
5	Fan board

No.	Description
6	5 PWM 80x80mm top fans
7	Server board
8	Back panel board (BPB)
9	Upper: 12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays and front I/O panel (depends on the specification of the server board) Lower: 10 PWM 80x80mm front fans

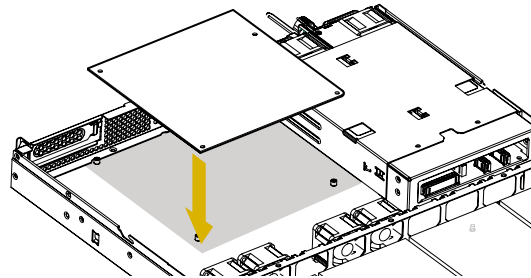
5 System Front Panel



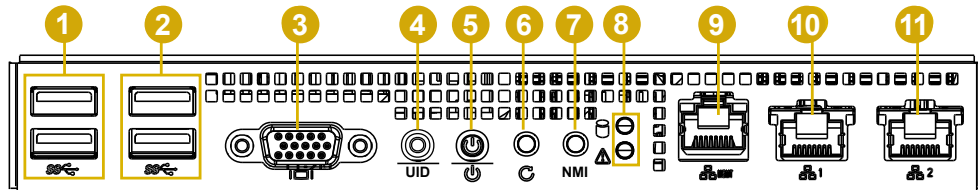
No.	Description
1	12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays
2	Front I/O panel (depends on the specification of the server board)
3	10 PWM 80x80mm front fans

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.



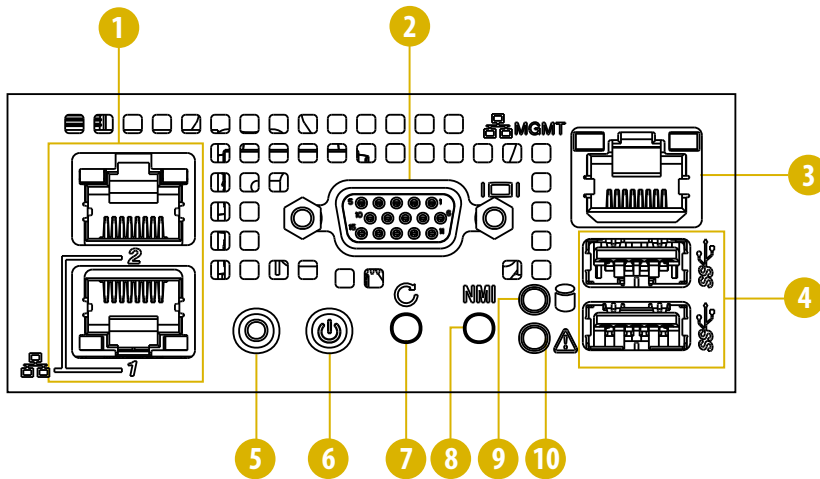
3 Front I/O Panel



No.	Description
1	2 Type-A (USB3.2 Gen1) ports (USB3_1_2)
2	2 Type-A (USB3.2 Gen1) ports (USB3_3_4)
3	DB15 (VGA) port
4	UID button w/ LED
5	Power button w/ LED
6	Reset button

No.	Description
7	NMI button
8	Upper: Hard drive activity LED Lower: System fault LED
9	Dedicated IPMI LAN port
10	RJ45 (1GbE) LAN port (LAN1)
11	RJ45 (1GbE) LAN port (LAN2)

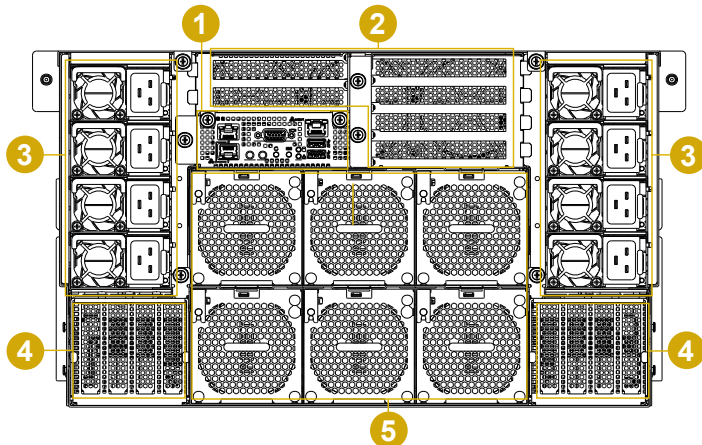
4 Rear I/O Panel



No.	Description
1	2 RJ-45 (1GbE) LAN ports
2	DB15 (VGA) port
3	Dedicated IPMI LAN port
4	2 Type-A (USB3.2 Gen1) ports
5	UID button w/ LED

No.	Description
6	Power button w/ LED
7	Reset button
8	NMI button
9	Hard drive activity LED
10	System fault LED

6 System Rear Panel



No.	Description
1	Rear I/O panel
2	3 FHHL PCIe5.0 x16 slots
3	4+4 CRPS

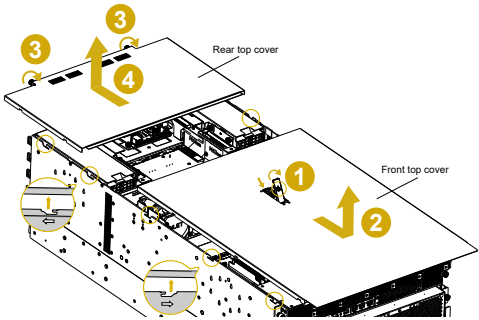
No.	Description
4	8 HHHL PCIe5.0 x16 slots
5	6 PWM 80x80mm rear fans



7 Remove and Install Top Cover

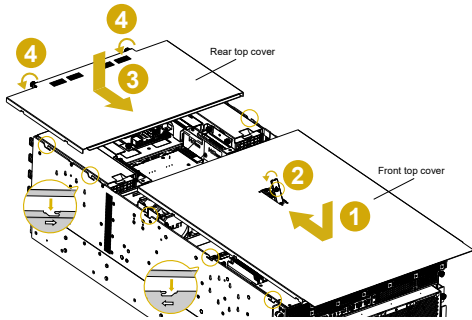
Removing Top Cover

1. Loosen the screw of the locking tab and press the button.
2. Push the front top cover to remove it.
3. Hand-release the thumbscrews on the rear side.
4. Push the rear top cover to remove it.



Installing Top Cover

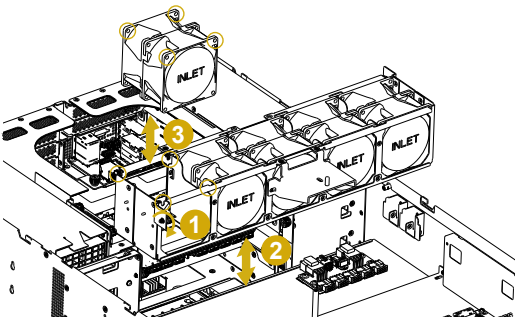
1. Align the side latches of front cover with the cutouts.
2. Press down the locking tab and tighten the screw to secure the front cover in place.
3. Install the rear top cover to the chassis.
4. Hand-tighten the thumbscrews on the rear side.



8 Replace System Fan

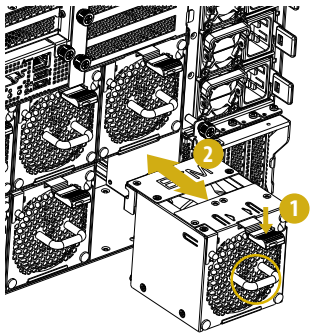
Replacing Front Fan

1. Release the thumbscrew on the side of the fan bar.
2. Lift up the fan bar.
3. Remove the failed fan.
4. Align the mounting holes of the replacement fan with the mounts on the fan bar and install it.



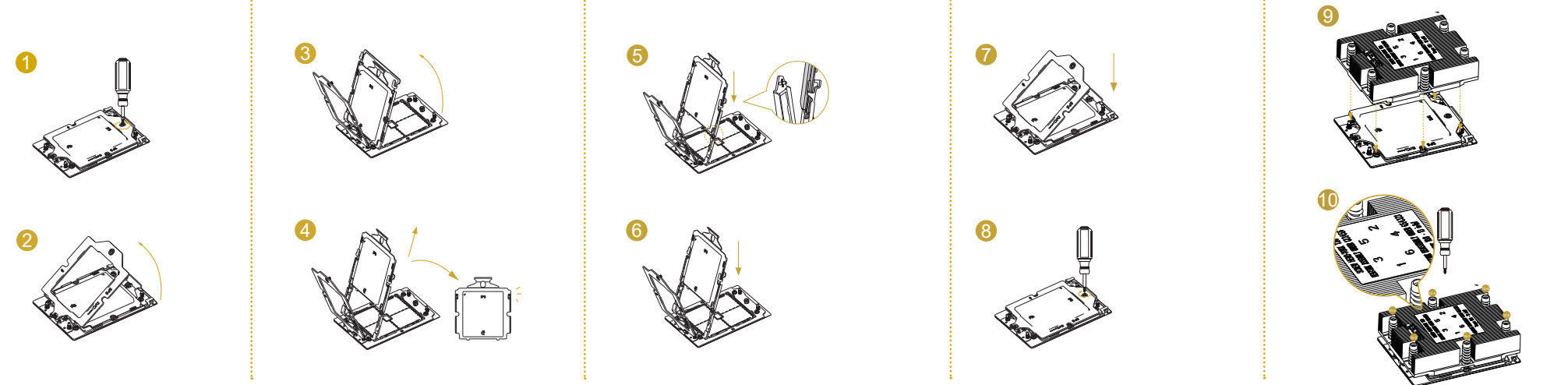
Replacing Rear Fan

1. Press the locking lever to pull failed fan out..
2. Align the connector on the bottom of the replacement fan with the connector in the bay to install it.



9 Install CPU and Heatsink (LGA6096 Socket)

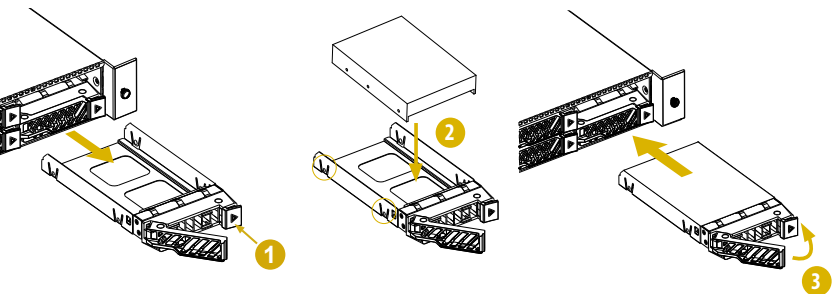
1. Locate the screw on the CPU socket and unscrew it. Open the first retention cover.
2. Open the second bracket. Take out the internal plastic cover.
3. Install CPU along with the carrier frame. Do not separate them. Make sure the carrier frame with CPU is closely attached to the rail frame while inserting it.
4. Close the bracket that holds the CPU. Close the retention cover and fasten the screw.
5. 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.

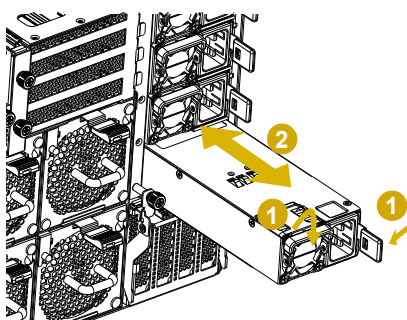
10 Install Hard Drive

1. Press the locking lever latch to pull driver tray out.
2. Place the hard drive into the tray and use the bumps on both sides of tray to secure the hard drive.
3. Slide the tray into the drive bay and push in the locking lever.



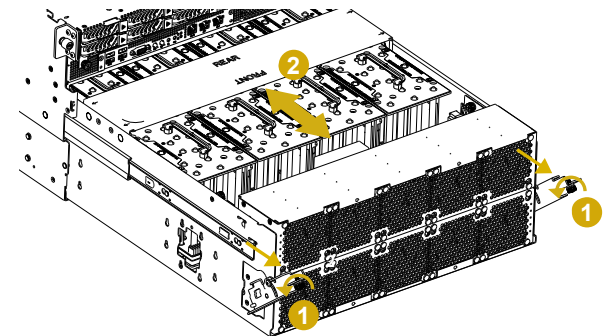
11 Replace Power Supply

1. Press the locking lever to pull out the PSU.
2. Slide a new PSU into the power supply bay until it clicks into place.



12 Open GPU Tray

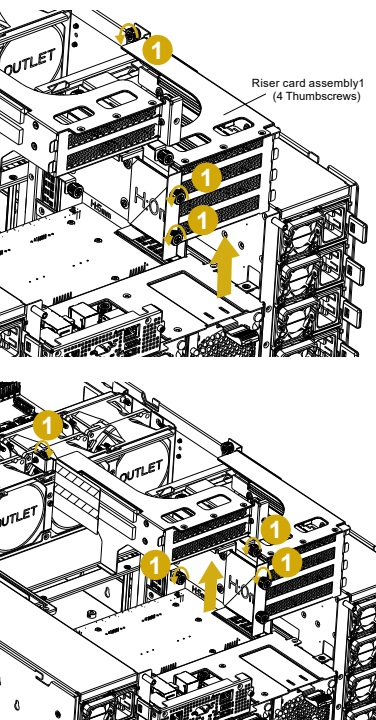
1. Hand-release the thumbscrews on both sides of the GPU tray to unlock the tray latches.
2. Pull to remove the tray from the chassis.



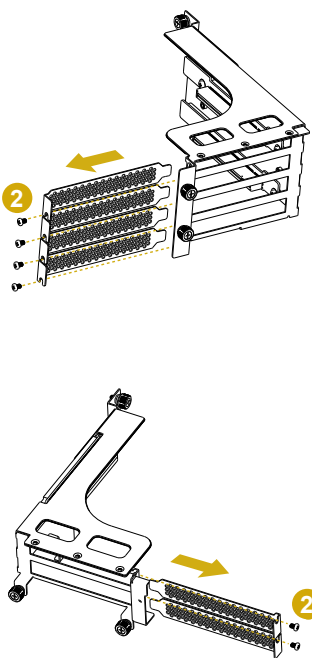
13 Install Add-in Card

HHHL PCIe5.0 x16

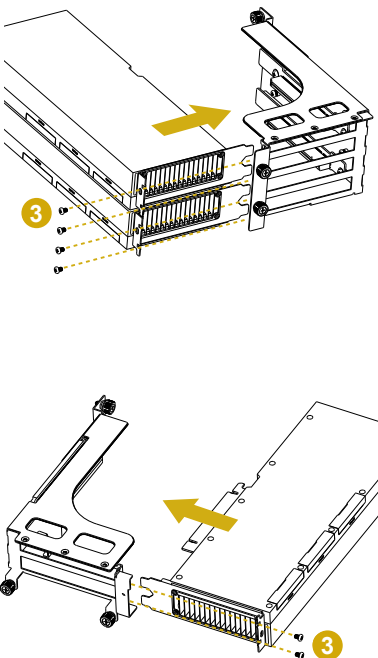
1. Hand-release the thumbscrews (3 for left and 4 for right) to lift brackets up.



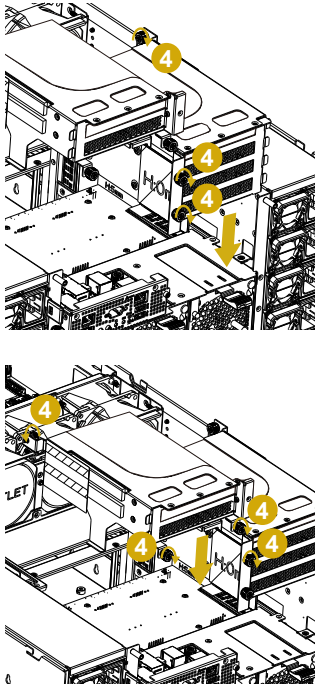
2. Remove the screws securing the blanking plates on the bracket to slide the blanking plates out.



3. Install the add-in cards to the riser-card brackets with the screws.

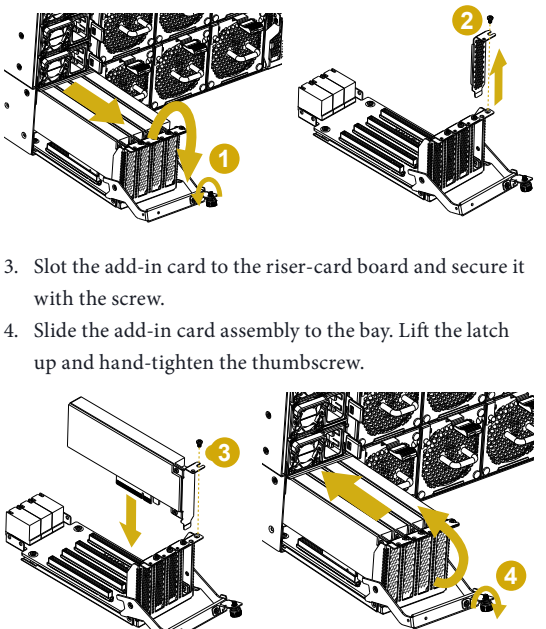


4. Install the add-in card assemblies to the chassis and secure them with thumbscrews.



HHHL PCIe5.0 x16

1. Hand-release the thumbscrew and pull down the latch to remove the riser-card bracket.
2. Remove the screw to slide the blanking plate out.
3. Slot the add-in card to the riser-card board and secure it with the screw.
4. Slide the add-in card assembly to the bay. Lift the latch up and hand-tighten the thumbscrew.



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