



P/N: 15G065365000AR V1.0

Quick Installation Guide
MECAI-GH200



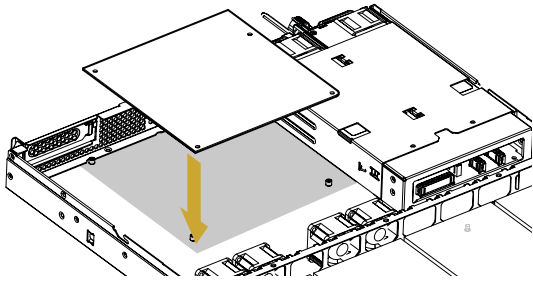
The User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

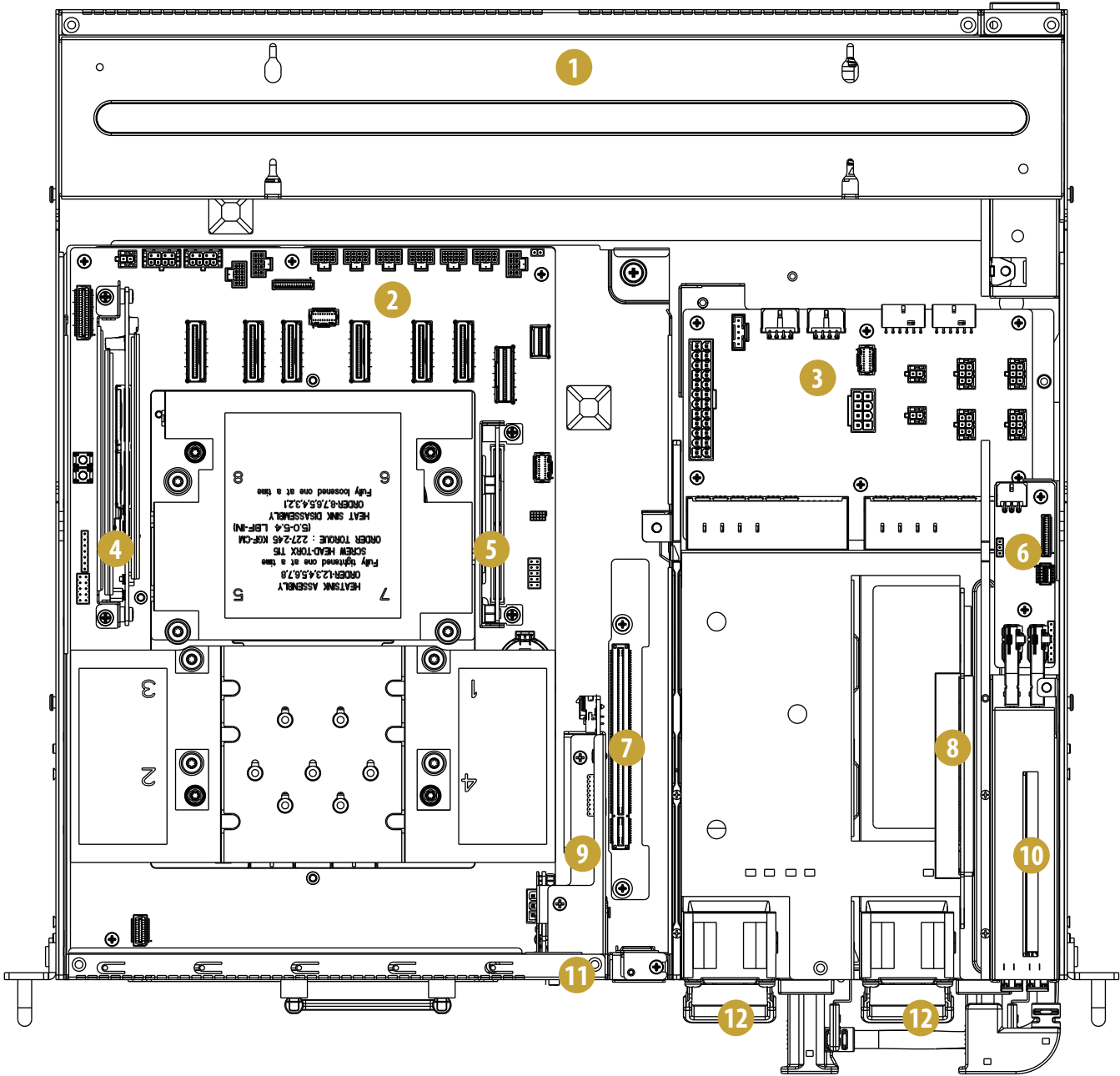
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

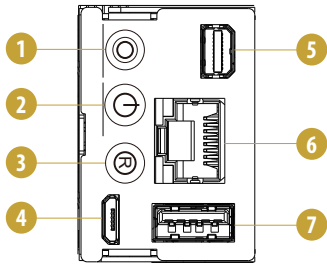


2 Top View



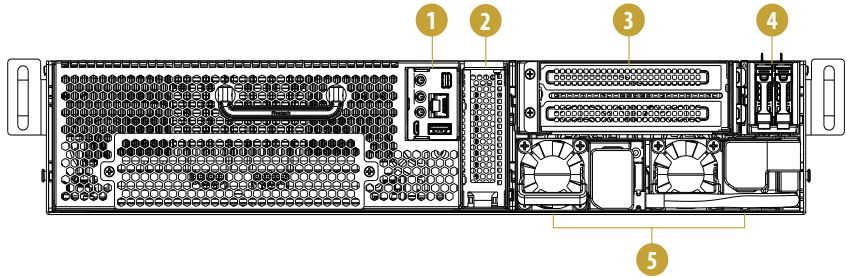
No.	Description
1	6 PWM hot-swap 60x76mm fans
2	Server board (ARLINGTON-MB)
3	PDB board
4	M.2 riser slot connected to M.2 riser board for 2 M-Key
5	BMC slot connected to BMC board
6	E1S board for 2 hot-swap E1.S (PCIe5.0 x4) drives
7	HHHL single-slot PCIe5.0 x16 for NVIDIA® ConnectX-7 NICs
8	FHHL dual-slot PCIe5.0 x16 for NVIDIA® BlueField-3 DPUs
9	IOR+IOL boards
10	2 E1.S (PCIe5.0 x4) drive bays
11	Control panel and LED indicators
12	1+1 CRPS 2000W

3 Control Panel



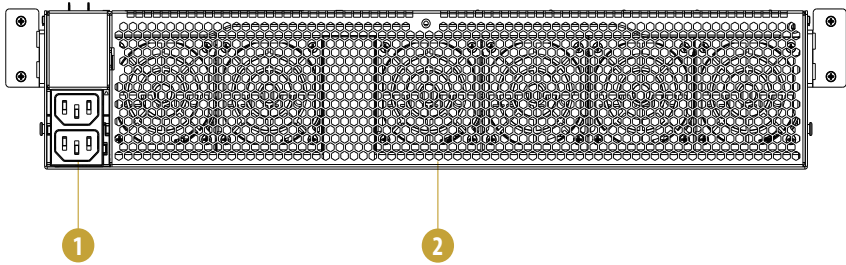
No.	Description
1	UID Button w/ LED
2	Power Button w/ LED
3	System Reset Button
4	Micro USB Port (COM)
5	Mini DisplayPort (VGA)
6	IPMI RJ-45 LAN Port w/ LEDs
7	Type-A USB Port (USB3.2 Gen1)

4 Front Panel



No.	Description
1	Control Panel & I/O Shield (depends on the specification of the server board)
2	HHHL PCIe5.0 x16 riser card drive bay
3	FHHL PCIe5.0 x16 riser drive bay
4	2 E1.S PCIe5.0 x4 drive bay
5	1+1 CRPS

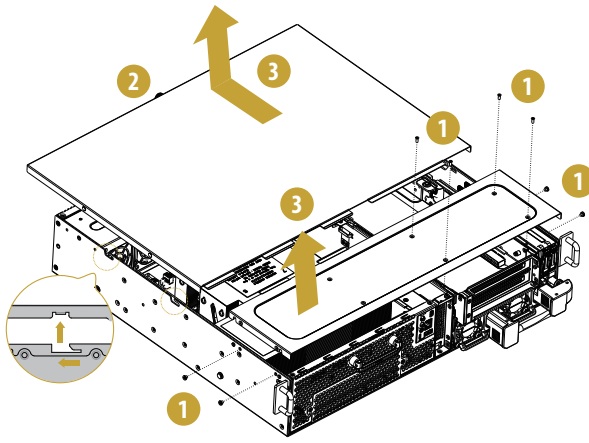
5 Rear Panel



No.	Description
1	2 Power ports for 1+1 CRPS 2000W connections
2	Rear Vent

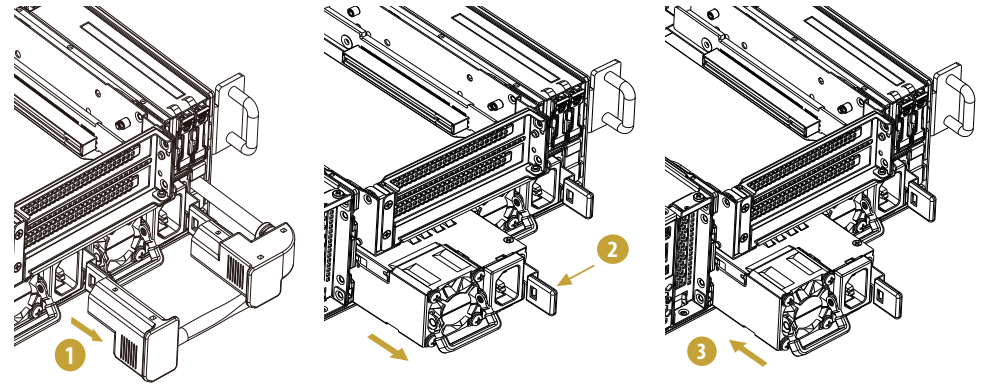
6 Remove and Install Top Covers

1. Remove the top front cover screws.
 2. Release the thumbscrew.
 3. Remove top covers.
- Follow the above sequence in reverse order to install the top covers.



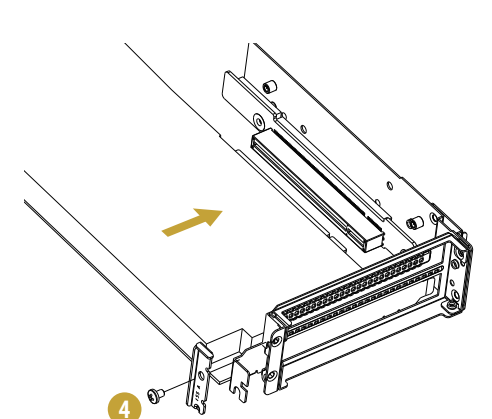
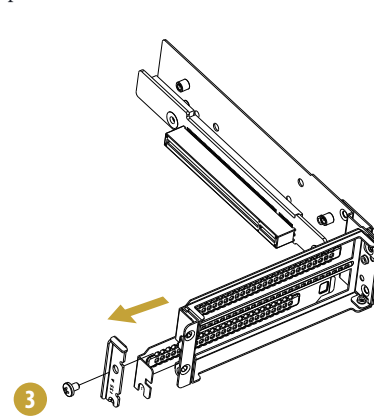
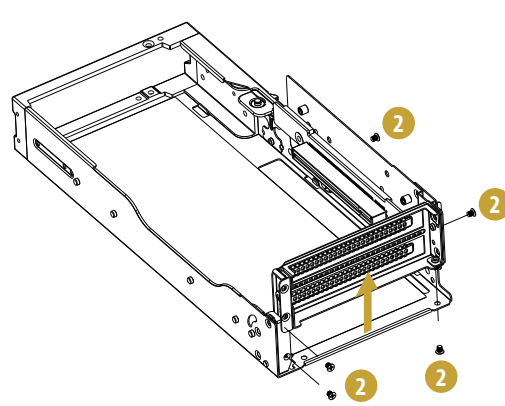
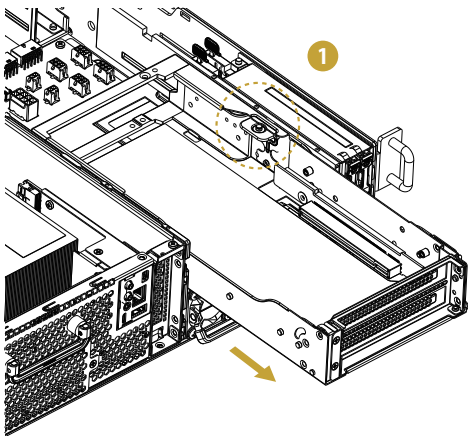
7 Replace Power Supply

1. Remove the power cords.
2. Press and hold on the locking lever to pull the power supply out.
3. Replace a new power supply into the bay until it is in place.



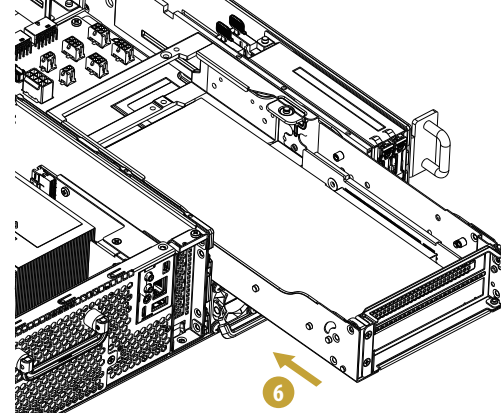
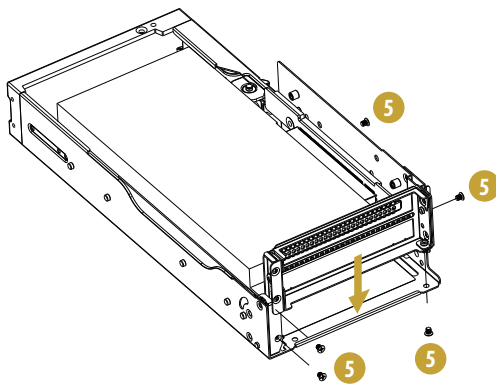
8 Install Add-in Card

1. Release the latch to remove the tray from the chassis.
2. Remove the screws to lift up the riser card bracket.
3. Remove the screw to slide out the blanking plate from the side of the bracket.
4. Install the add-in card to the bracket and secure it with the screw.



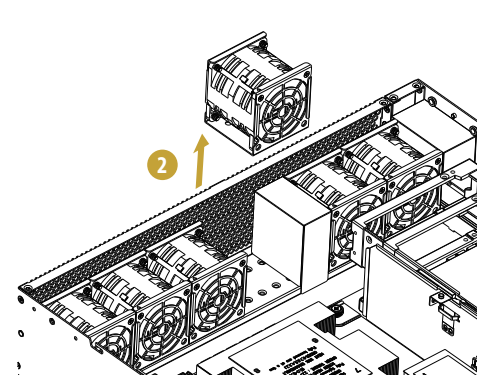
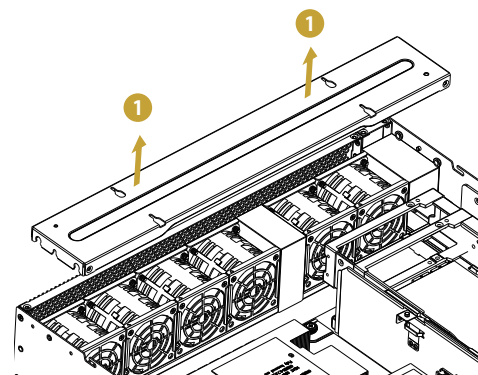
5. Install the bracket with the add-in card to the tray and secure it with the screws.

6. Place the assembly into the chassis.



9 Replace System Fan

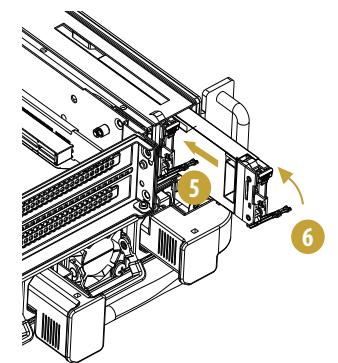
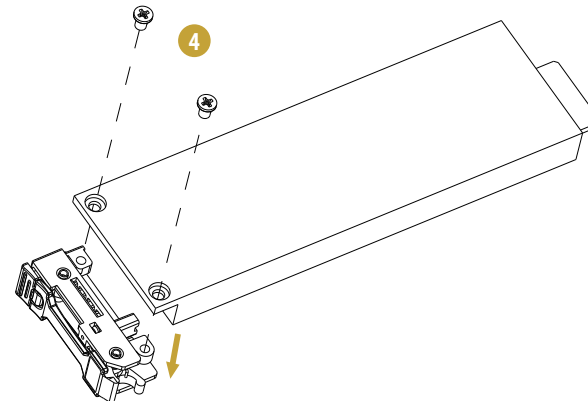
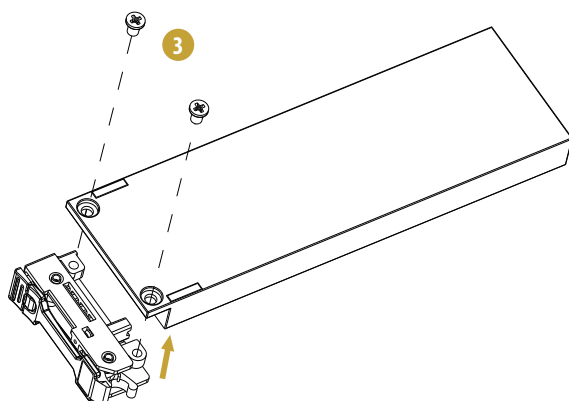
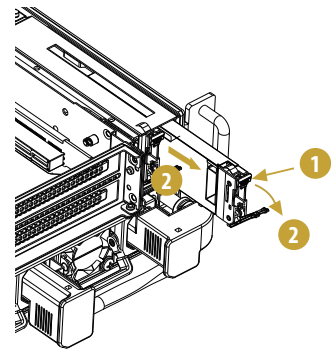
1. Lift the fan cover up and remove it.
2. Lift to remove the failed fan and replace a new one.



* Before installing the add-in card, power off the server and unplug the related cables.

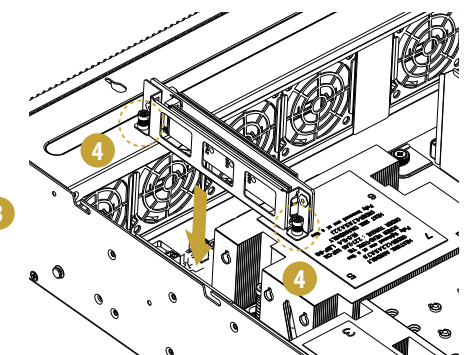
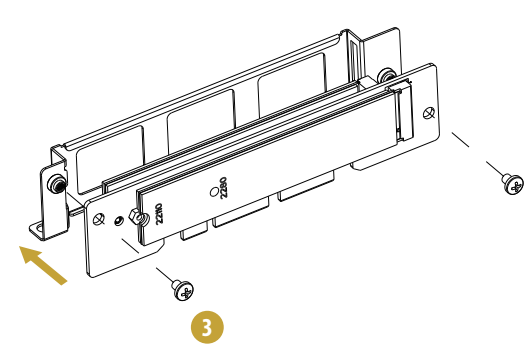
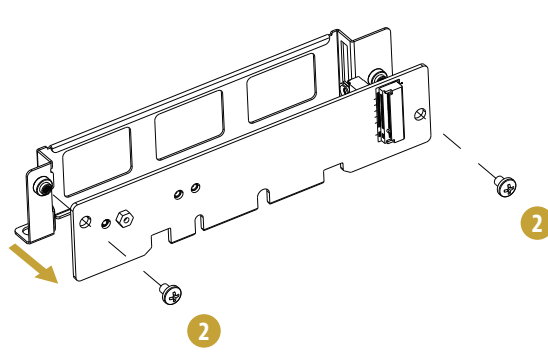
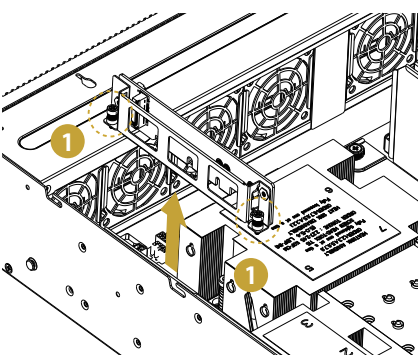
10 Install E1.S Drive

1. Press the latch to unlock the lever.
2. Hold the lever to pull out the E1.S assembly.
3. Release the screws to remove the E1.S frame.
4. Install the E1.S drive to the locking cover with two screws.
5. Slide the E1.S assembly into the drive bay.
6. Push in the lever to lock the E1.S assembly.



11 Install M.2

1. Release the screws to lift the M.2 frame up.
2. Release the screws to remove the bracket from the M.2 frame.
3. Install the M.2 card to the bracket and secure it to the M.2 frame with screws.
4. Install the M.2 assembly to the chassis and secure it with screws.



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