

Quick Installation Guide
4UXGM-GNR2 CX8



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 screws 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

1 2 3 4 5 6 7 8 9

No.	Description
1	3+1 CRPS
2	1 FHHL PCIe5.0 x16 slot
3	8 FHFL dual-slot PCIe5.0 x16 slots 1 Switch board
4	1 Server motherboard
5	5 Hot-swap 80 x 80 mm top fans Left-to-right: FAN6 ~ FAN10
6	2 E1.S backplanes
7	1 Front panel board
8	16 Hot-swap E1.S (PCIe5.0 x4) drive bays
9	5 Hot-swap 80 x 80 mm front fans Left-to-right: FAN1 ~ FAN5

6 System Front Panel

1 2 3 4

No.	Description
1	16 Hot-swap E1.S (PCIe5.0 x4) drive bays, support 9.5 mm / 15 mm width
2	Front vent
3	Front I/O panel
4	5 Hot-swap 80 x 80 mm front fans

3 Rear I/O Panel

1 2 3 4 5 6

No.	Description
1	1 Mini-DisplayPort
2	Top: 1 Type-A (USB 3.2 Gen1) port Bottom: 1 Power button
3	Top: 1 Dedicated IPMI LAN port Bottom: 1 UID button
4	1 RJ45 (1 GbE) LAN port
5	1 System fault LED
6	1 RJ45 (1 GbE) LAN port

4 Front I/O Panel

1 2 3 4 5 6 7 8 9

No.	Description
1	1 LAN2 activity LED
2	1 LAN1 activity LED
3	1 UID button w/ LED
4	1 Power button w/ LED
5	1 Reset button
6	1 NMI button
7	2 Type-A (USB 3.2 Gen1) ports
8	1 HDD activity LED
9	1 System fault LED

5 System Rear Panel

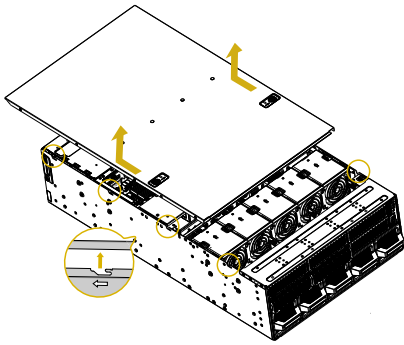
1 2 3 4 5

No.	Description
1	8 FHFL dual-slot PCIe5.0 x16 slots (PCIe1 ~ PCIe8)
2	1 FHHL PCIe5.0 x16 slot (PCIe9)
3	3+1 CRPS
4	8 QSFP112 (400Gb/s) ports via NVIDIA® ConnectX®-8
5	Rear I/O panel

7 Remove and Install Top Cover

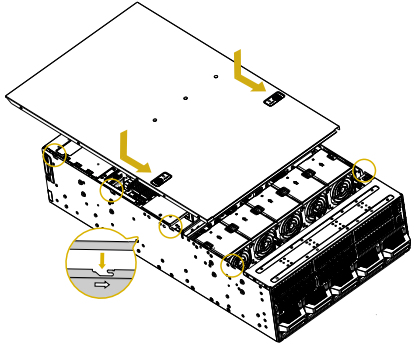
Removing Top Cover

Press the tabs on the cover and push straight REAR to remove the cover.



Installing Top Cover

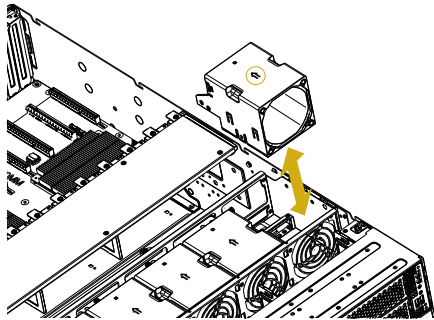
Align the side latches with the cutouts and slide the cover toward the FRONT of the chassis to install it.



8 Replace System Fan

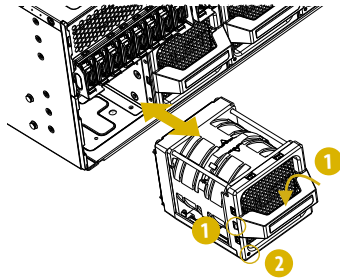
Replacing Top Fan

1. Lift to remove the failed fan.
2. Make sure the arrow on the fan points to the REAR of the chassis and place a new fan into the fan frame.



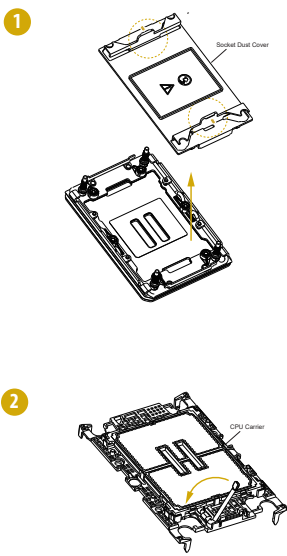
Replacing Front Fan

1. Press and hold on the inside of handle to release the fan latch. Pull the fan out.
2. Install a new fan into the fan bay and ensure the LED appears on the lower left.

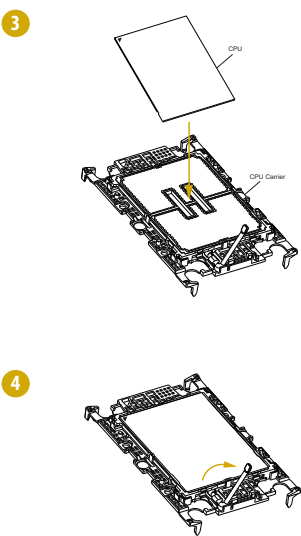


9 Install CPU and Heatsink (LGA 4710 Socket)

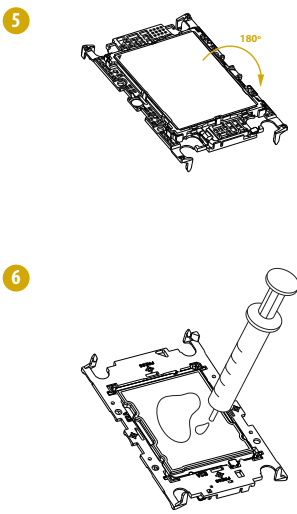
Remove the CPU socket cover and open the socket lever.



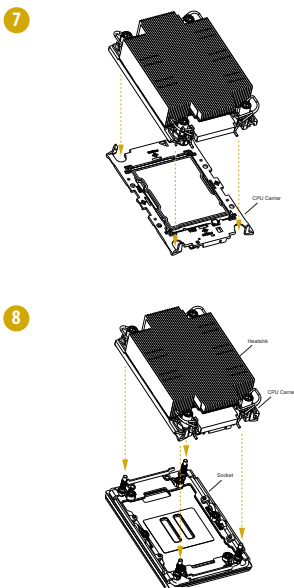
Install the processor on the carrier and make sure the arrow is located in the correct direction. Close the socket lever.



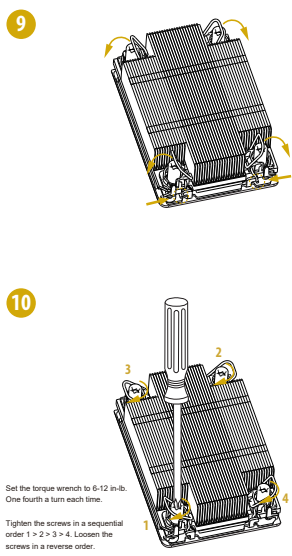
Carefully flip the carrier assembly. Apply a thermal paste.



Install the heatsink to the carrier and then install the heatsink and carrier to the socket.



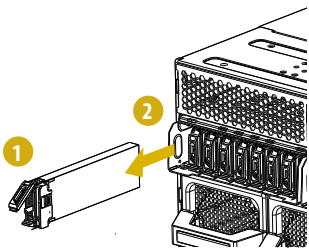
Tighten the corner fasteners. Secure the heatsink to the motherboard.



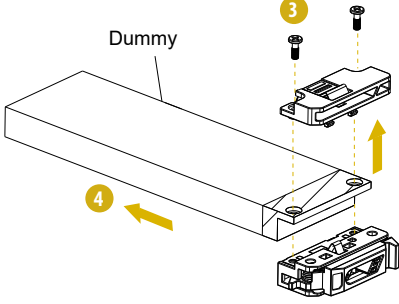
Note: We recommend using the CPU installation tool to avoid CPU pin-bent problem.

10 Install E1.S Drive

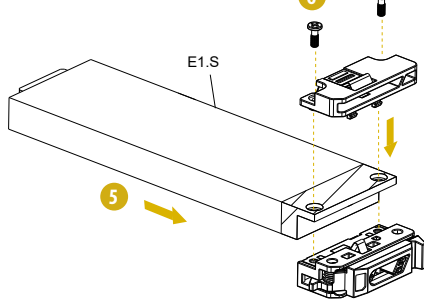
1. Press the latch on the tray to unlock the locking lever.
2. Pull the tray out.



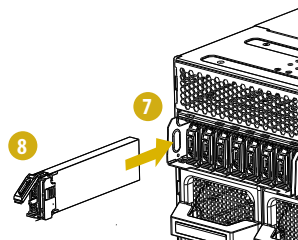
3. Remove the screws on the tray.
4. Remove the dummy out.



5. Install the E1.S to the tray.
6. Secure the E1.S with two screws.

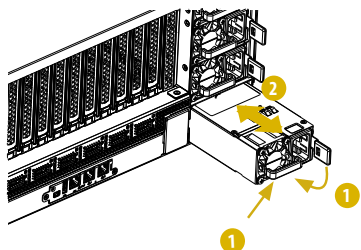


7. Slide the E1.S assembly into the bay until it is fully seated.
8. Push in the lever to lock the assembly in place.



11 Replace Power Supply Unit

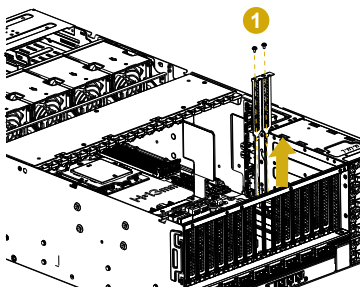
1. Press the locking lever to pull out the PSU.
2. Slide a new PSU into the power supply bay until it clicks in place.



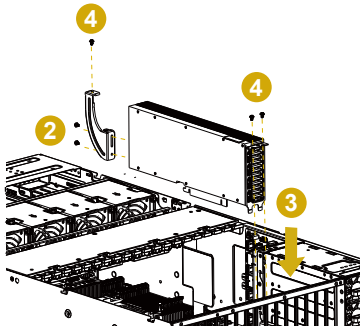
12 Install GPU Card / Add-in Card

PCIe1 ~ PCIe9 Slots

1. Remove the screw (s) to remove the blanking plate(s).

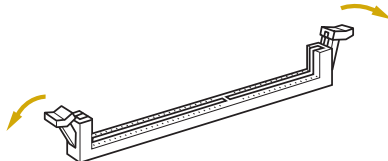


2. Remove the GPU brackets and the GPU screw kit out of the accessory box. Fasten the screws of GPU bracket to the GPU card. (Skip step for PCIe9)
3. Install the card assembly into the chassis.
4. Secure the assembly with the screw(s).

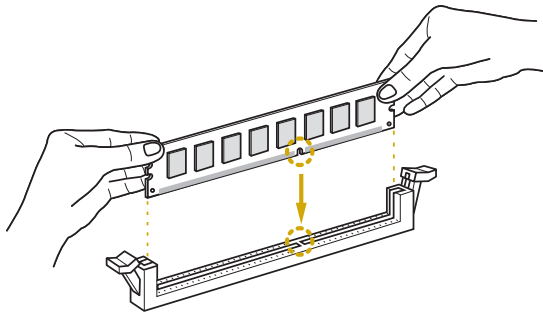


13 Install Memory

1. Unlock a DIMM slot by pressing the module clips outward.



2. Insert the memory module.



3. Lock the clips.

