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Quick Installation Guide

4UXGM-TURIN2

www.asrockrack.com

4UXGM-TURIN2

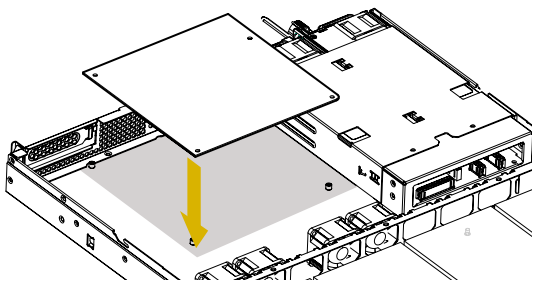
The User Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

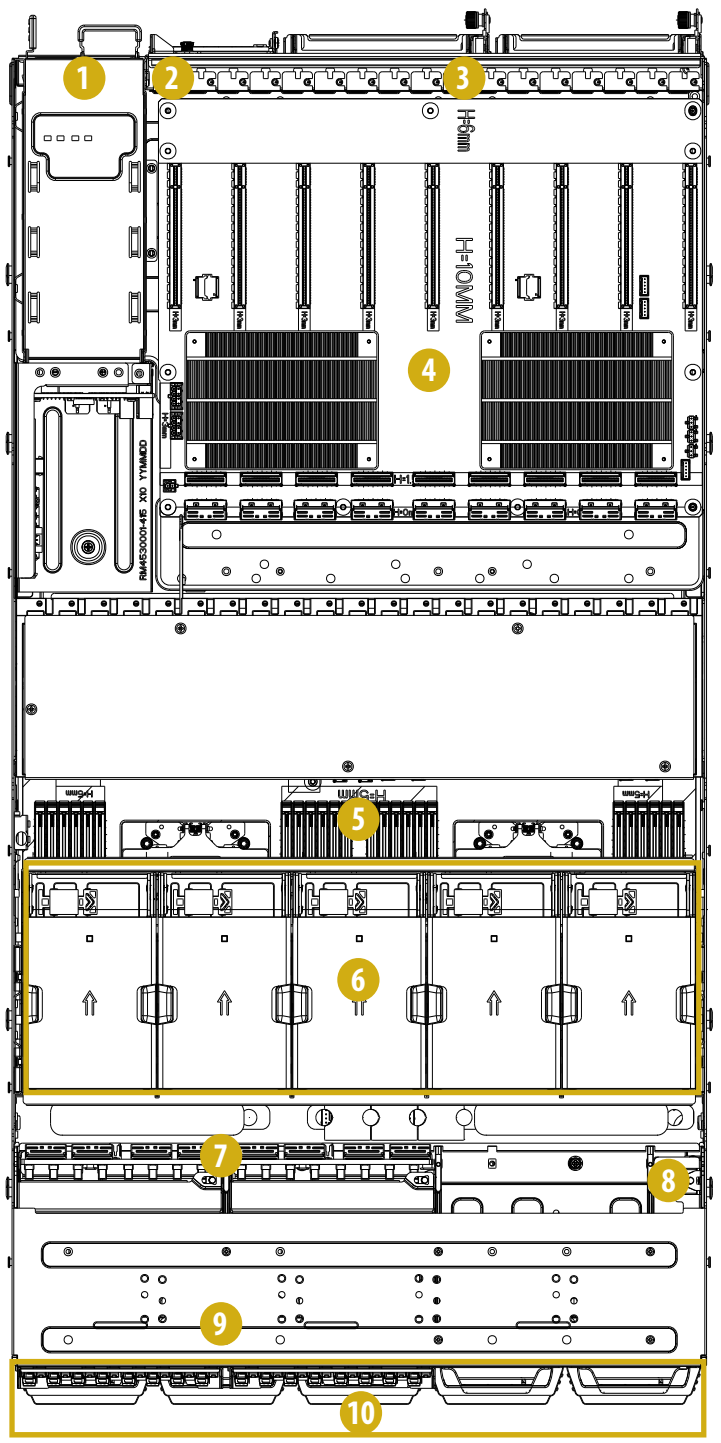
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

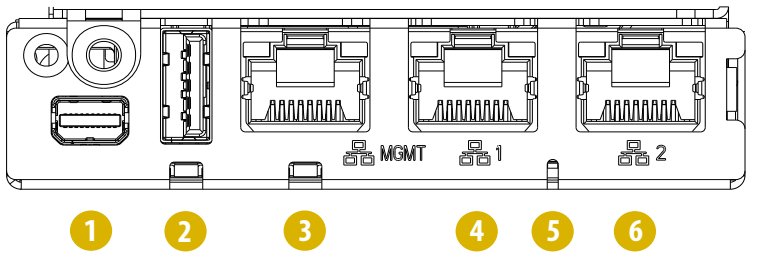


2 Internal Features



No.	Description
1	3+1 CRPS
2	1 FHHL PCIe5.0 x16 slot
3	8 FHFL dual-slot PCIe5.0 x16 slots
4	1 Switch board
5	1 Server motherboard
6	5 Hot-swap 80 x 80 mm top fans
7	2 E1.S backplanes
8	1 Front panel board
9	16 Hot-swap E1.S drive bays
10	5 Hot-swap 80 x 80 mm front fans

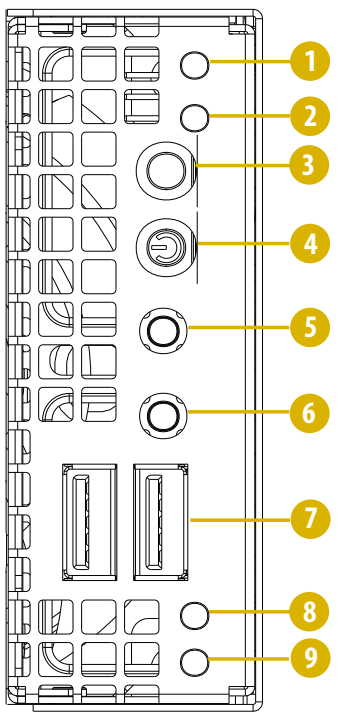
3 Rear I/O Panel



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

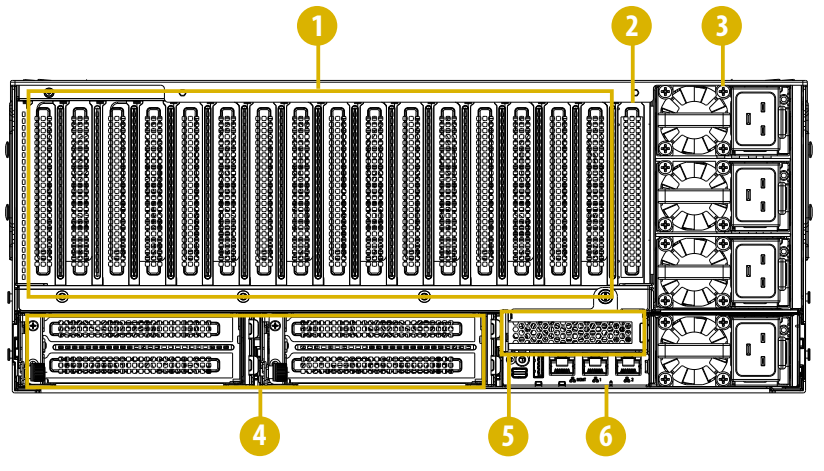
No.	Description
4	1 RJ45 (1 GbE) LAN port
5	1 System fault LED
6	1 RJ45 (1 GbE) LAN port

4 Front I/O Panel



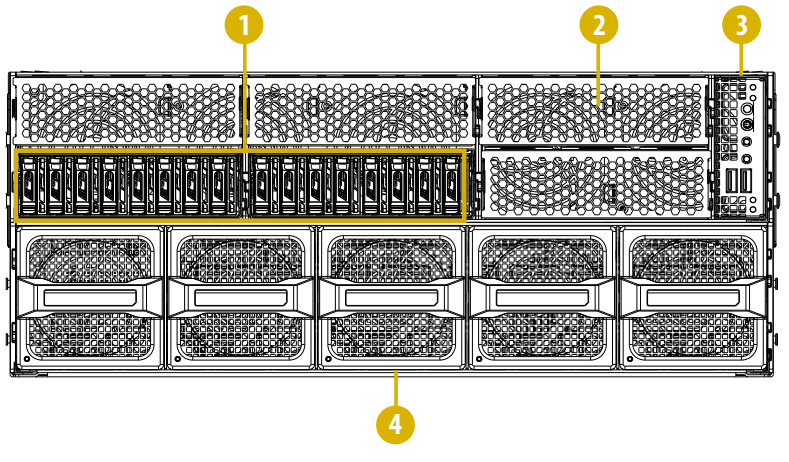
No.	Description
1	1 LAN2 activity LED
2	1 LAN1 activity LED
3	1 UID button w/ LED
4	1 Power button w/ LED
5	1 Reset button
6	1 NMI button
7	2 Type-A (USB 3.2 Gen1) ports
8	1 HDD activity LED
9	1 System fault LED

5 System Rear Panel



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	4 FHHL PCIe5.0 x16 slots (PCIE10 ~ PCIE13)
5	1 HHHL PCIe5.0 x16 slot (PCIE14)
6	Rear I/O panel

6 System Front Panel

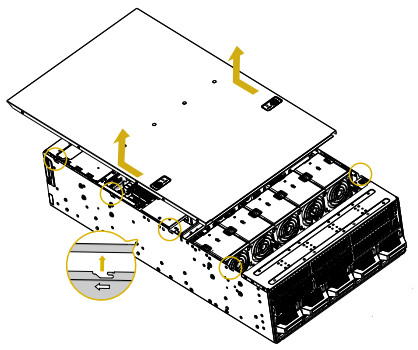


No.	Description
1	16 Hot-swap E1.S (PCIe5.0 x4) drive bays, support 9.5 mm / 15 mm width
2	Front vent
3	Front I/O panel
4	5 Hot-swap 80 x 80 mm front fans

7 Remove and Install Top Cover

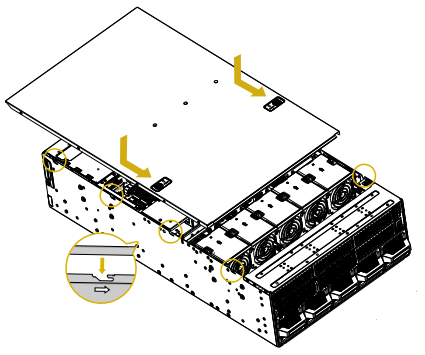
Removing Top Cover

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



Installing Top Cover

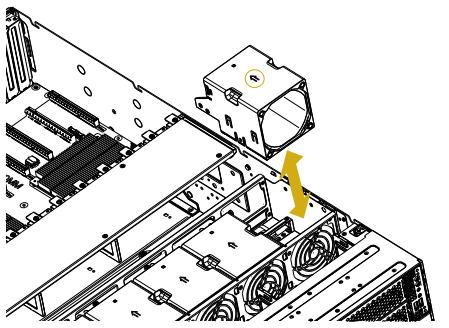
Align the side latches with the cutouts and slide the cover toward the FRONT of the chassis to install it.



8 Replace System Fan

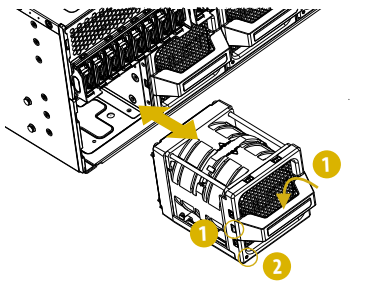
Replacing Top Fan

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.



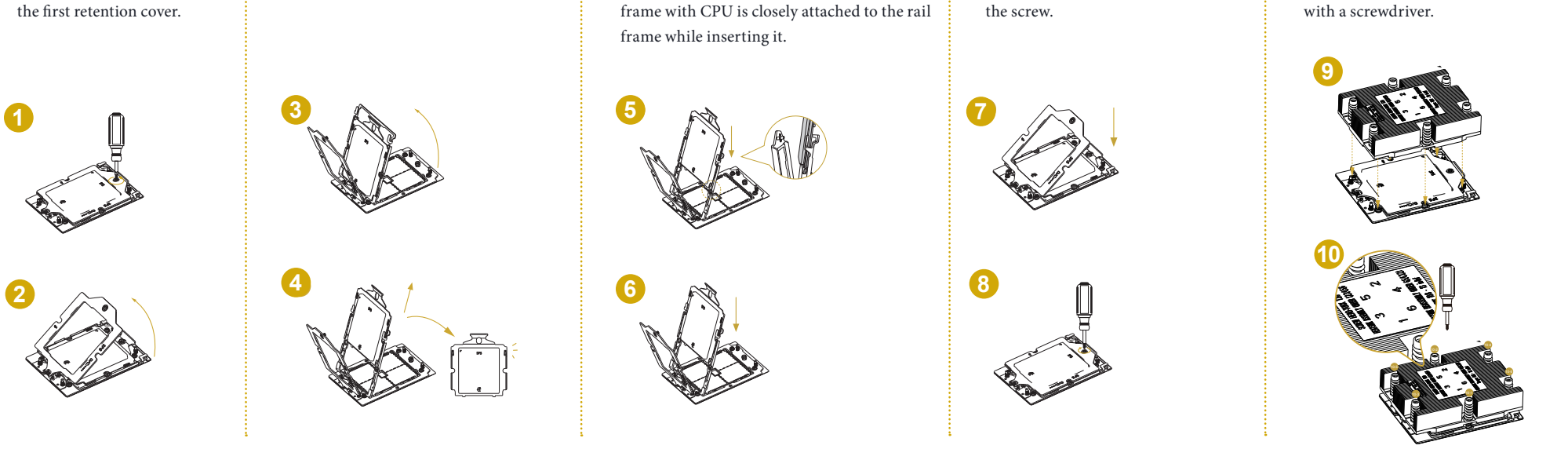
Replacing Front Fan

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 6096 Socket)

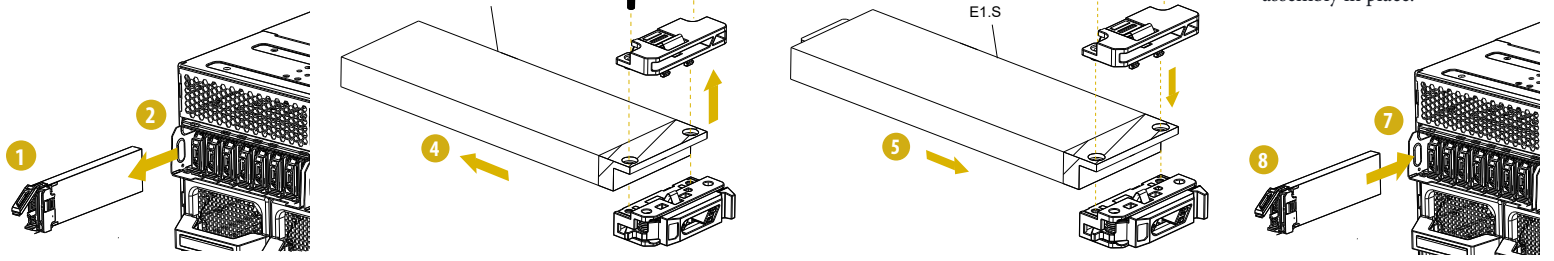
1. Locate the screw on the CPU socket and unscrew it. Open the first retention cover.
2. Open the second bracket. Take out the internal plastic cover.
3. Install CPU along with the carrier frame. Do not separate them. Make sure the carrier frame with CPU is closely attached to the rail frame while inserting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

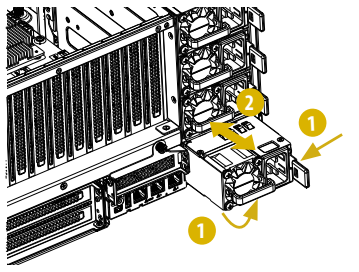
10 Install E1.S Drive

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

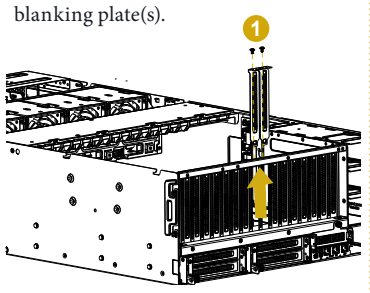
1. Press the locking lever to pull out the PSU.
2. Slide a new PSU into the power supply bay until it clicks in place.



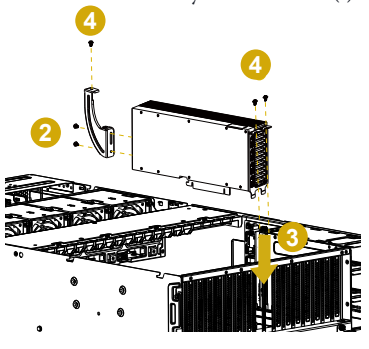
12 Install GPU Card / Add-in Card

PCIE1 ~ PCIE9 Slots

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

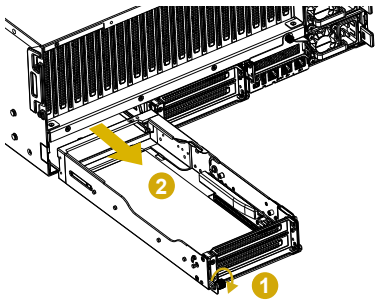


2. Remove the GPU brackets and the GPU screw kit out of the accessory box. Fasten the screws of GPU bracket to the GPU card. (Skip step for PCIE9)
3. Install the card assembly into the chassis.
4. Secure the assembly with the screw(s).

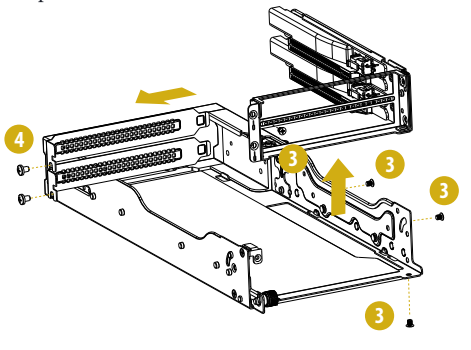


PCIE10 ~ PCIE13 Slots

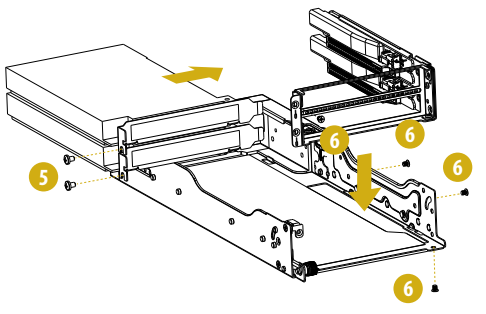
1. Hand-release the thumbscrew.
2. Pull the tray out.



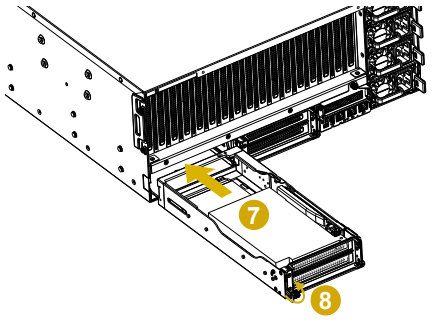
3. Loosen 4 screws to disassemble the bracket from the tray.
4. Remove 2 screws and slide the blanking plates out.



5. Install the add-in cards to the bracket.
6. Secure the bracket to the tray.

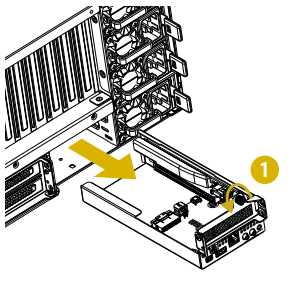


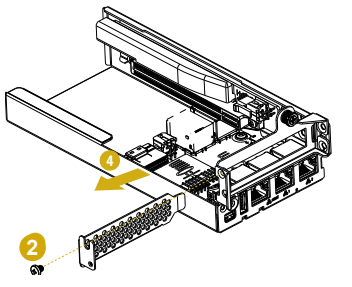
7. Slide the tray with add-in card assembly to the chassis.
8. Hand-tighten the thumbscrew.



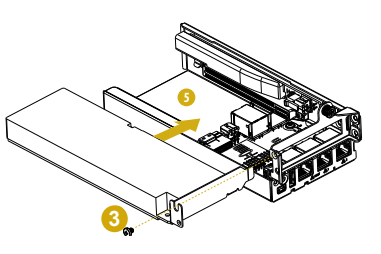
PCIE14 Slot

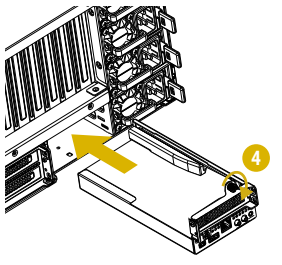
1. Hand-release the thumbscrew to pull the tray out.
2. Remove the screw to slide the blanking plate out.





3. Install the add-in card and secure it to the bracket with the screw.
4. Slide the add-in card assembly to the chassis and hand-tighten the thumbscrew.





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