



P/N: 15G065382000AR V1.0

Quick Installation Guide

6U8M-TURIN2 SYN MI325X



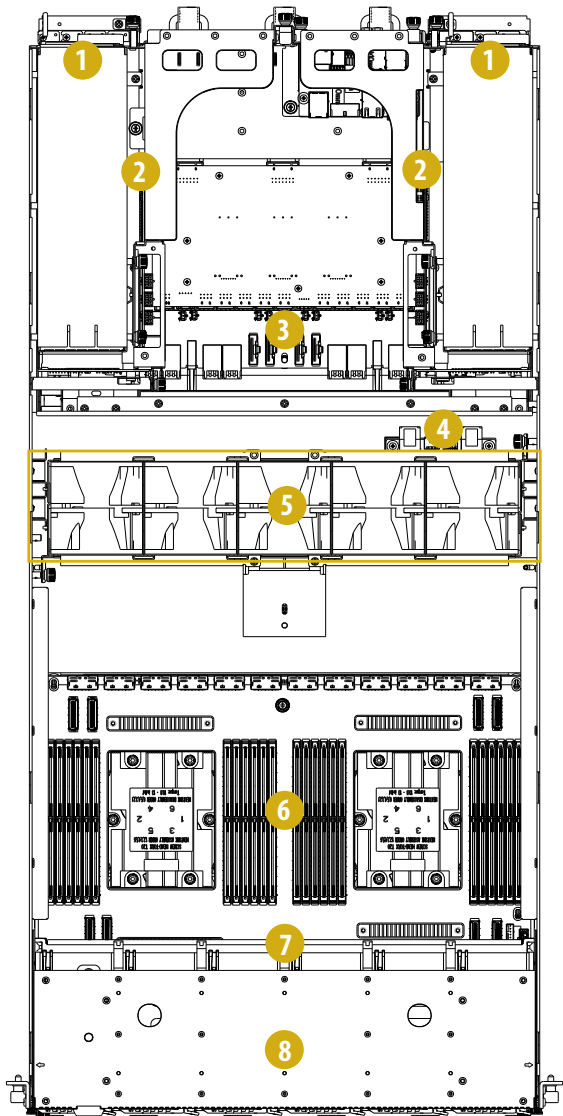
6U8M-TURIN2 SYN MI325X

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.

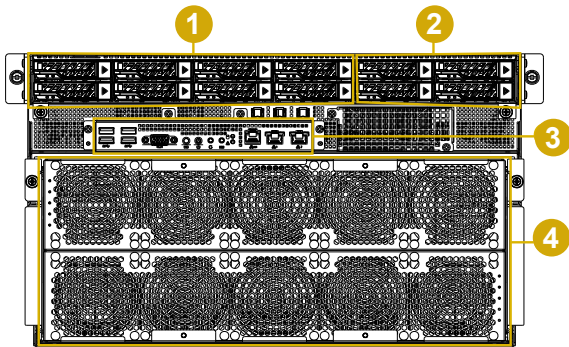
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

2 Internal Features



No.	Description	No.	Description
1	Top: 6+2 CRPS Bottom: 8 HHHL PCIe5.0 x16 slots	6	Server motherboard
2	Top: 1 FHHL PCIe5.0 x16 slot and rear I/O panel Bottom: 6 PWM 80x80mm rear fans (FAN16 ~ FAN21)	7	Back panel board (BPB)
3	Switch board	8	Top: 12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays Front I/O panel (depends on the specification of the server motherboard) Bottom: 10 PWM 80x80mm front fans (FAN1 ~ FAN10)
4	Fan board		
5	6 PWM Hot-swap 80x80mm fans (left-to-right: FAN11 ~ FAN15)		

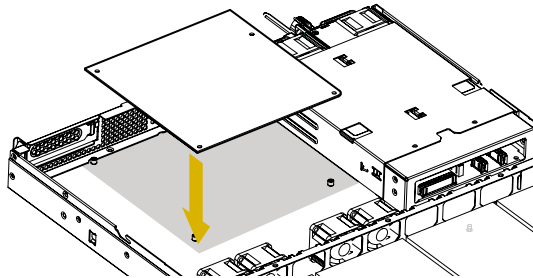
5 System Front Panel



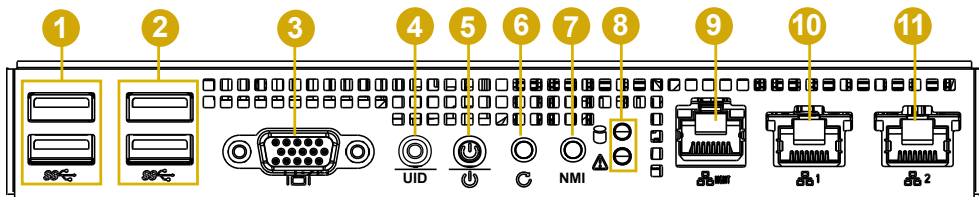
No.	Description	No.	Description
1	8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe switch Top: NVME2, NVME4, NVME6, NVME8 Bottom: NVME1, NVME3, NVME5, NVME7	3	Front I/O panel (depends on the specification of the server motherboard)
2	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from CPU0 Top: NVME10, NVME12 Bottom: NVME9, NMVE11	4	Top: FAN2, FAN4, FAN6, FAN8, FAN10 Bottom: FAN1, FAN3, FAN5, FAN7, FAN9

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.

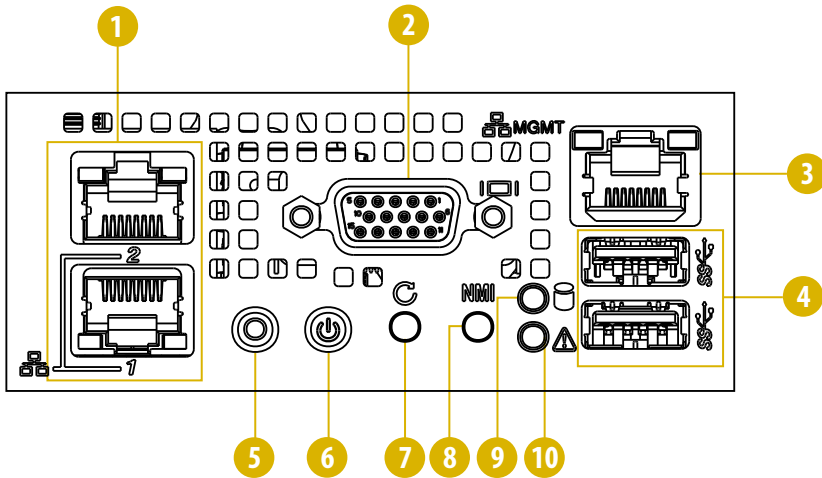


3 Front I/O Panel



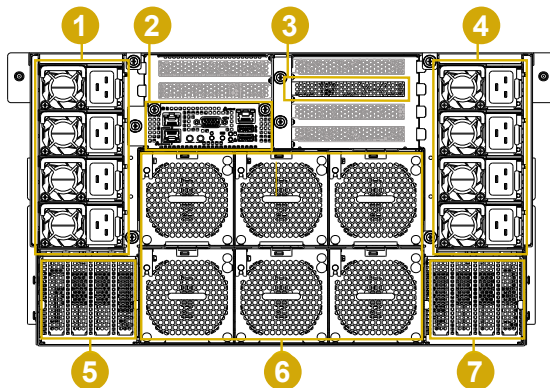
No.	Description	No.	Description
1	2 Type-A (USB3.2 Gen1) ports (USB3_1_2)	7	1 NMI button
2	2 Type-A (USB3.2 Gen1) ports (USB3_3_4)	8	Upper: 1 Hard drive activity LED Lower: 1 System fault LED
3	1 DB15 (VGA) port	9	1 Dedicated IPMI LAN port
4	1 UID button w/ LED	10	1 RJ45 (1GbE) LAN port (LAN1)
5	1 Power button w/ LED	11	1 RJ45 (1GbE) LAN port (LAN2)
6	1 Reset button		

4 Rear I/O Panel



No.	Description	No.	Description
1	2 RJ45 (1GbE) LAN ports (LAN1, LAN2)	6	1 Power button w/ LED
2	1 DB15 (VGA) port	7	1 Reset button
3	1 Dedicated IPMI LAN port	8	1 NMI button
4	2 Type-A (USB3.2 Gen1) ports	9	1 Hard drive activity LED
5	1 UID button w/ LED	10	1 System fault LED

6 System Rear Panel



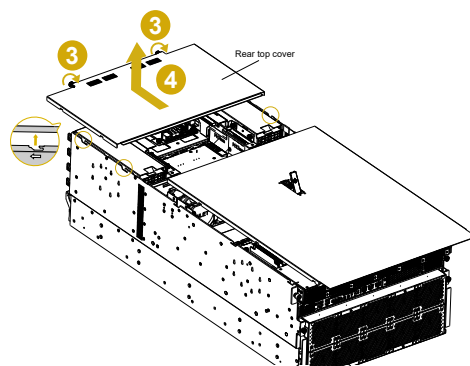
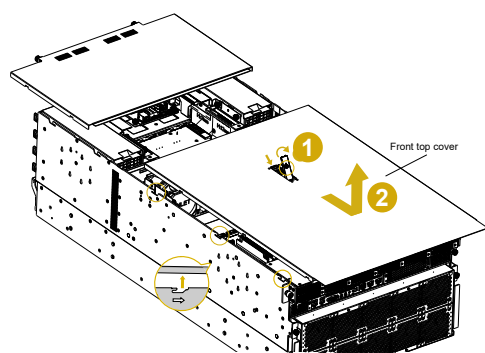
No.	Description	No.	Description
1	4 Power supply units Top-to-bottom: PSU_L1 ~ PSU_L4	5	4 HHHL PCIe5.0 x16 slots (PCIE8 ~ PCIE5)
2	Rear I/O panel	6	6 PWM 80x80mm rear fans Top: FAN21 ~ FAN19 Bottom: FAN18 ~ FAN16
3	1 FHHL PCIe5.0 x16 slot (Riser_R2)	7	4 HHHL PCIe5.0 x16 slots (PCIE4 ~ PCIE1)
4	4 Power supply units Top-to-bottom: PSU_R1 ~ PSU_R4		



7 Remove and Install Top Cover

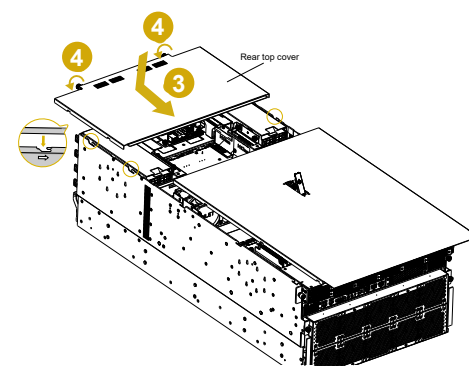
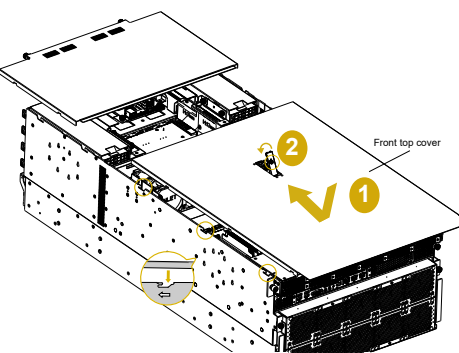
Removing Top Cover

1. Loosen the screw on the locking tab and press the button to unlock the front top cover.
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.



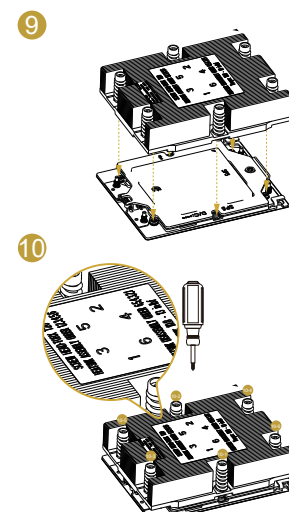
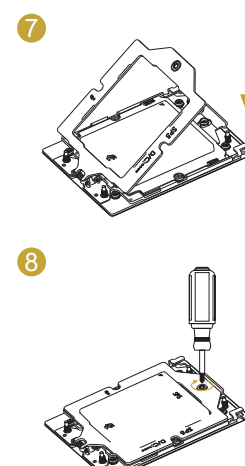
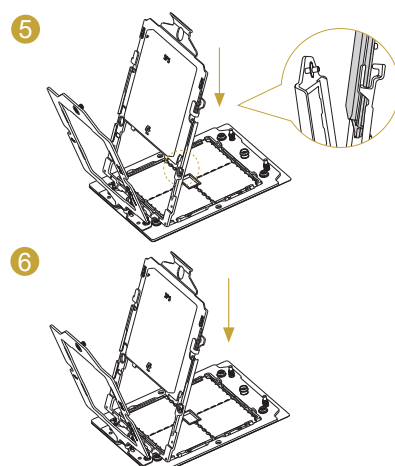
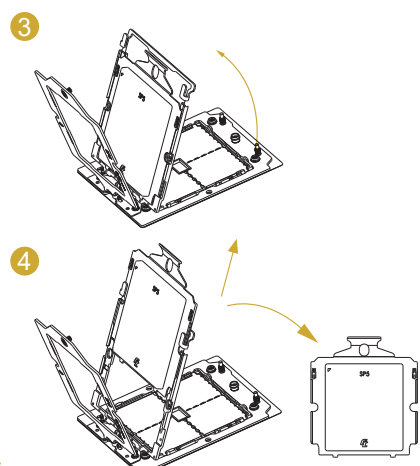
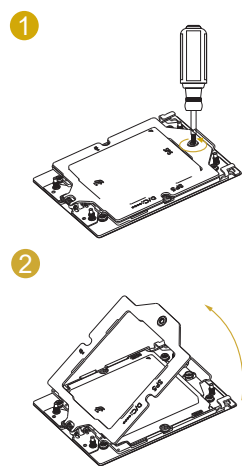
Installing Top Cover

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 top cover in place.
3. Install the rear top cover to the chassis.
4. Hand-tighten the thumbscrews on the rear side.



8 Install CPU and Heatsink (LGA 6096 Socket)

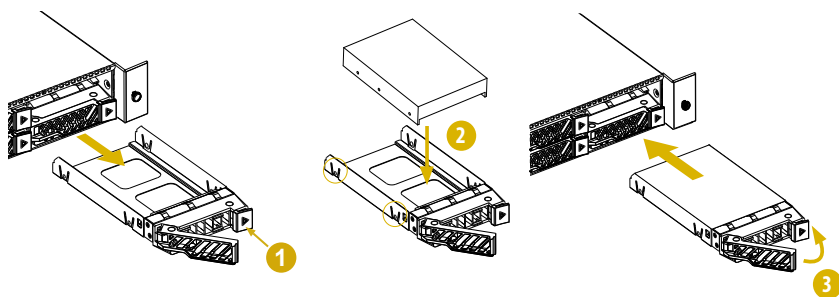
1. Locate the screw on the CPU socket and unscrew it. Open the first retention cover.
2. Open the second bracket. Take out the internal plastic cover.
3. Install CPU along with the carrier frame. Do not separate them. Make sure the carrier frame with CPU is closely attached to the rail frame while inserting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



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

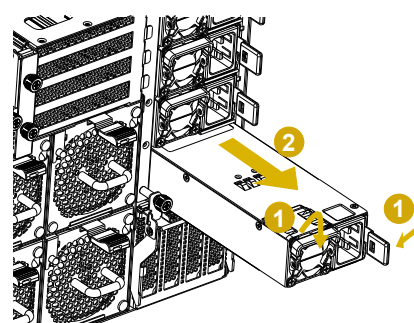
9 Install Hard Drive

1. Press the locking lever latch to pull drive 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.



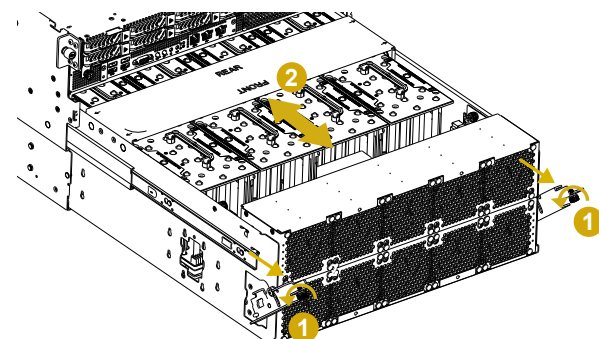
10 Replace Power Supply

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



11 Open GPU Tray

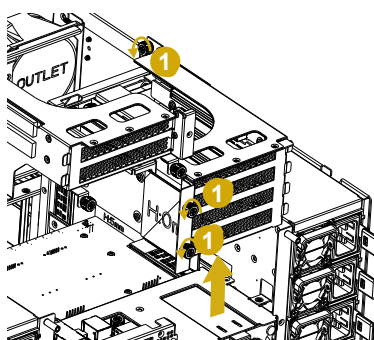
1. Hand-release the thumbscrews on both sides of the GPU tray to unlock the tray latches.
2. Push to remove the tray from the chassis.



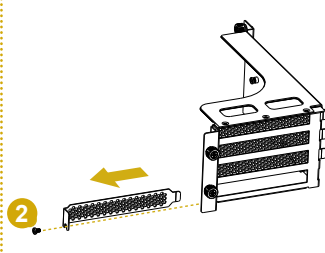
12 Install Add-in Card

FHHL PCIe5.0 x16

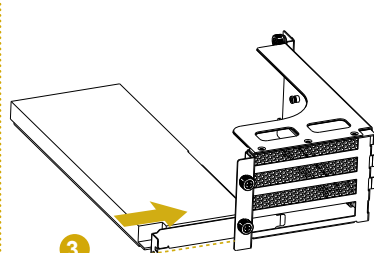
1. Hand-release 4 thumbscrews to lift riser-card bracket up.



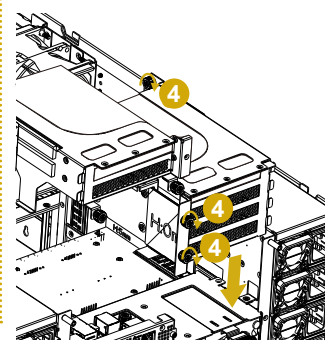
2. Remove the screw securing the blanking plate on the bracket to slide the blanking plate out.



3. Install the add-in card to the riser-card bracket with the screw.

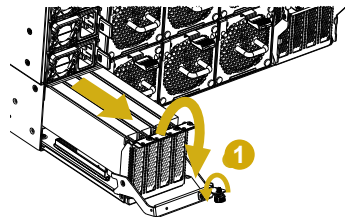


4. Install the add-in card assembly to the chassis and secure it with 4 thumbscrews.

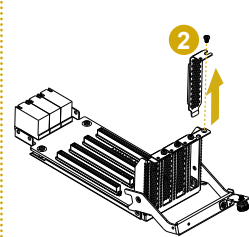


HHHL PCIe5.0 x16

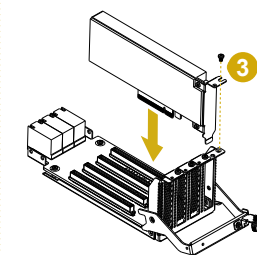
1. Release the thumbscrew and pull down the latch to remove the riser-card bracket.



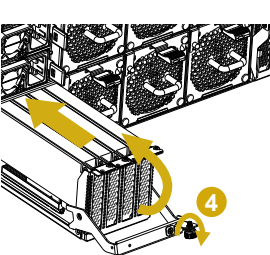
2. Remove the screw to slide the blanking plate out.



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 assembly with the thumbscrew.



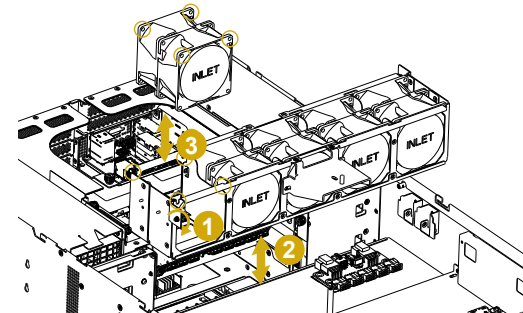
Notes:

1. Remove two screws and two blanking plates when installing a dual-slot PCIe/GPU card.
2. The illustration is for references only. The actual location may be slightly different by models.

13 Replace System Fan

Replacing Top Fan

1. Hand-release the thumbscrew on the side of the fan bar.
2. Lift up the fan bar.
3. Remove the failed fan. Align the mounting holes with the mounts on the fan bar and install a new one.



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 a new one.

