



P/N: 15G065421000AR V1.0

Quick Installation Guide

8U8M-TURIN2 SYN MI355X

ASRock
Rack
www.asrockrack.com



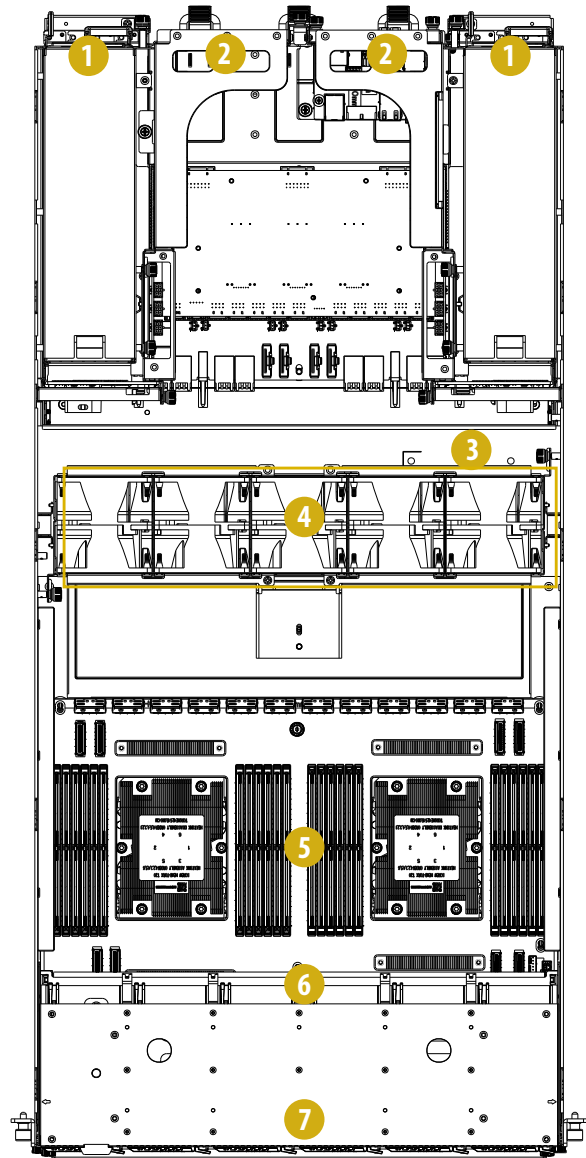
8U8M-TURIN2 SYN MI355X

The User Manual is available for download from the ASRock Rack's official website at <https://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.

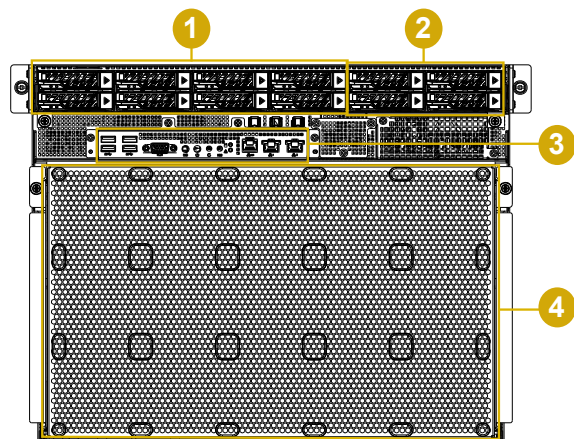
2 Internal Features



No.	Description
1	Top: 12 Power supply units (PSU) Bottom: 8 HHHL PCIe5.0 x16 slots and 4 PWM 40 x 40 mm internal fans
2	Top: 1 FHHL PCIe5.0 x16 slot and rear I/O panel Bottom: 9 PWM 80 x 80 mm rear fans
3	Fan board (FB)
4	5 PWM 80 x 80 mm top fans

No.	Description
5	Server motherboard (MB)
6	Backplane board (BPB)
7	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: 15 PWM 80 x 80 mm front fans

5 System Front Panel

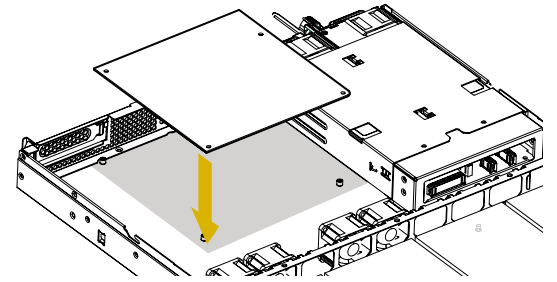


No.	Description
1	8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe switch
2	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from CPU

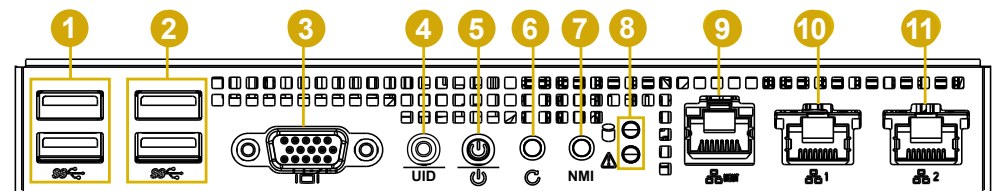
No.	Description
4	Front I/O panel (depends on the specification of the server motherboard)
5	15 PWM 80 x 80 mm front fans

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.



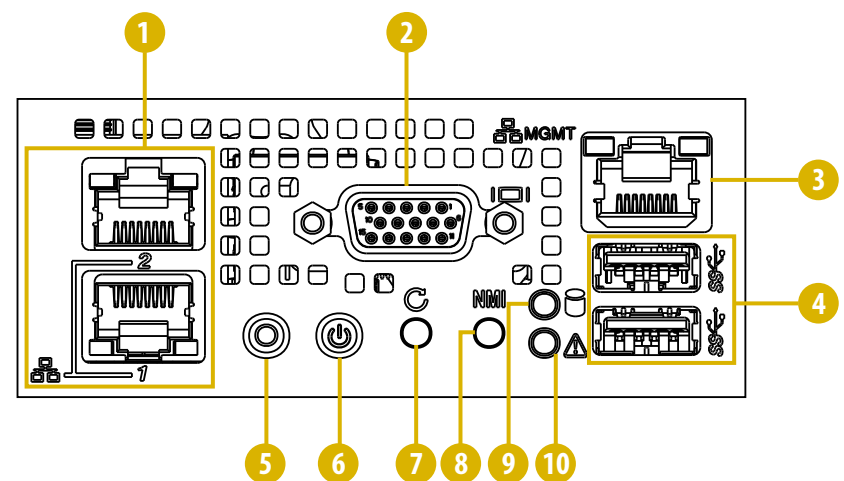
3 Front I/O Panel



No.	Description
1	2 Type-A (USB 3.2 Gen1) ports
2	2 Type-A (USB 3.2 Gen1) ports
3	1 DB15 (VGA) port
4	1 UID button w/ LED
5	1 Power button w/ LED
6	1 Reset button

No.	Description
7	1 NMI button
8	Top: 1 HDD activity LED Bottom: 1 System fault LED
9	1 Dedicated IPMI LAN port
10	1 RJ45 (1 GbE) LAN port (LAN1)
11	1 RJ45 (1 GbE) LAN port (LAN2)

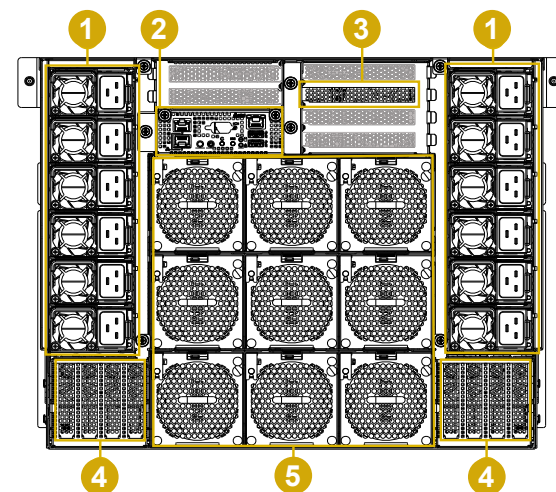
4 Rear I/O Panel



No.	Description
1	2 RJ45 (1 GbE) LAN ports (LAN1, LAN2)
2	1 DB15 (VGA) port
3	1 Dedicated IPMI LAN port
4	2 Type-A (USB 3.2 Gen1) ports
5	1 UID button w/ LED

No.	Description
6	1 Power button w/ LED
7	1 Reset button
8	1 NMI button
9	1 HDD activity LED
10	1 System fault LED

6 System Rear Panel



No.	Description
1	12 Power supply units
2	Rear I/O panel
3	1 FHHL PCIe5.0 x16 slot

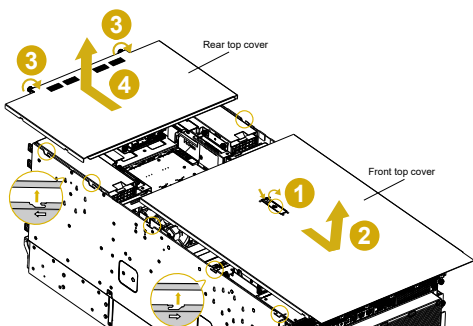
No.	Description
4	8 HHHL PCIe5.0 x16 slots 4 PWM 40 x 40 mm internal fans
5	9 PWM 80 x 80 mm rear fans



7 Remove and Install Top Cover

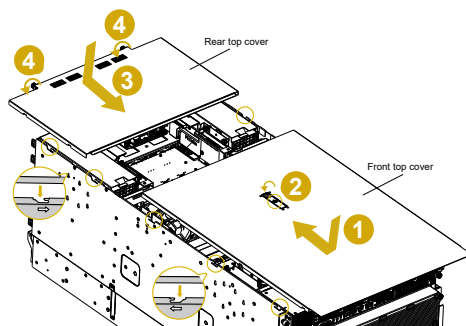
Removing Top Cover

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

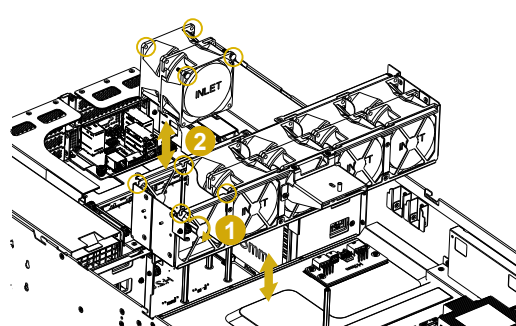
1. Align the side latches of front cover with the cutouts.
2. Press down the locking tab and tighten the screw to secure the front top cover in place.
3. Install the rear top cover to the chassis.
4. Hand-tighten the thumbscrews on the rear side.



8 Replace System Fan

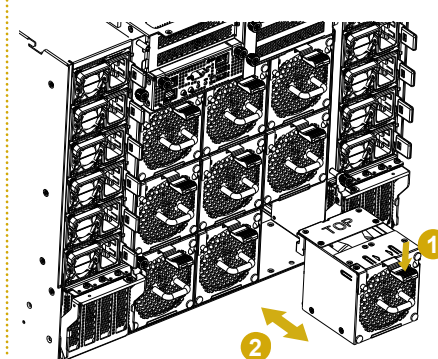
Replacing FAN16 ~ FAN20

1. Hand-release the thumbscrew and lift up the fan bar.
2. Remove the failed fan. Align the mounting holes with the mounts on the fan bar and install a new one.
3. Place the fan bar into the chassis and hand-tighten the thumbscrew.



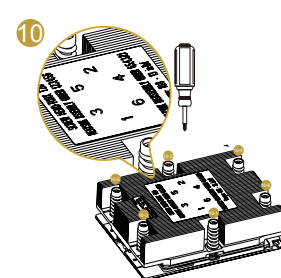
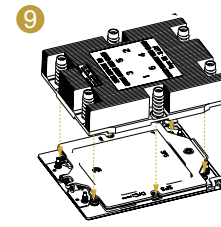
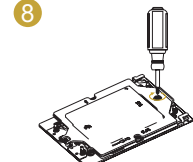
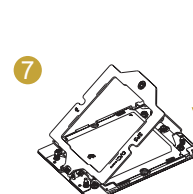
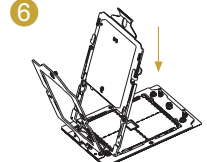
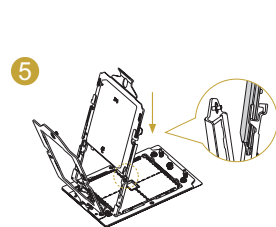
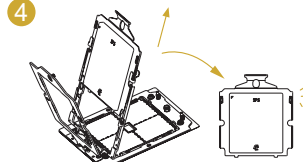
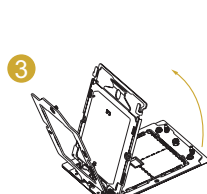
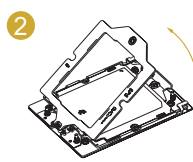
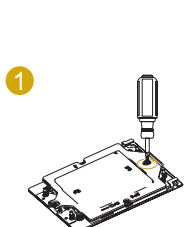
Replacing FAN21 ~ FAN29

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.



9 Install CPU and Heatsink (LGA 6096 Socket)

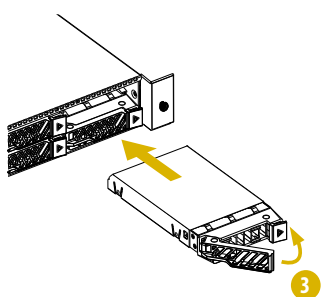
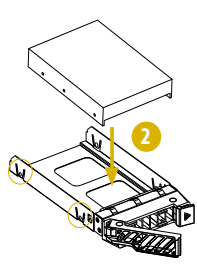
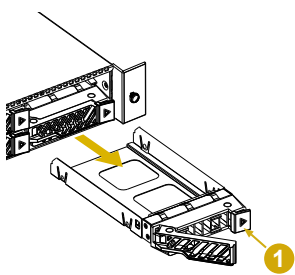
1. Locate the screw on the CPU socket and unscrew it. Open the first retention cover.
2. Open the second bracket. Take out the internal plastic cover.
3. Install CPU along with the carrier frame. Do not separate them. Make sure the carrier frame with CPU is closely attached to the rail frame while inserting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



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

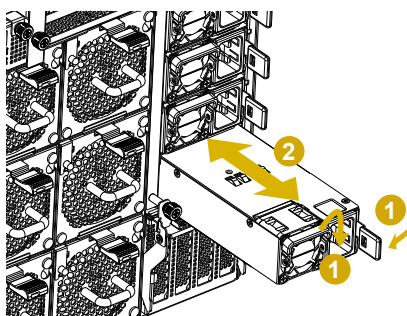
10 Install Hard Drive

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



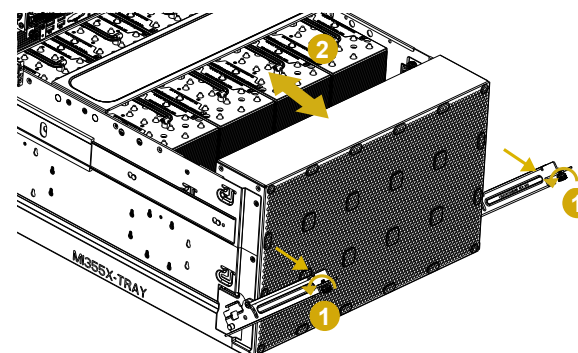
11 Replace Power Supply

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



12 Open GPU Tray

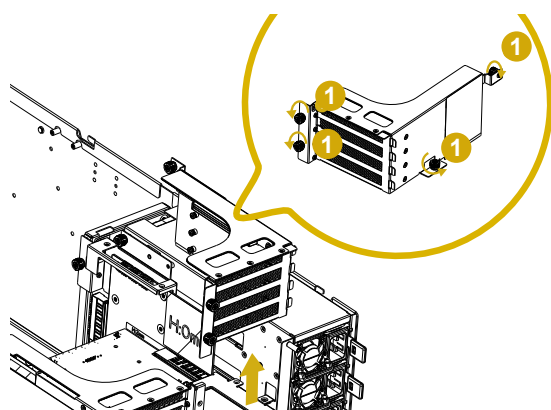
1. Hand-release the thumbscrews on both sides of the GPU tray to unlock the tray latches.
2. Pull to remove the tray from the chassis.



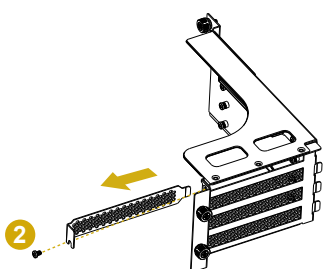
13 Install Add-in Card

FHHL PCIe5.0 x16

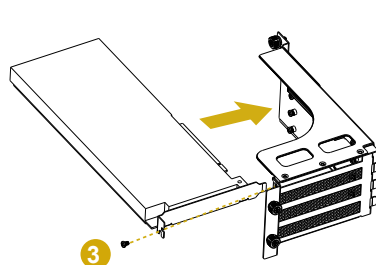
1. Hand-release 4 thumbscrews to lift the right bracket up.



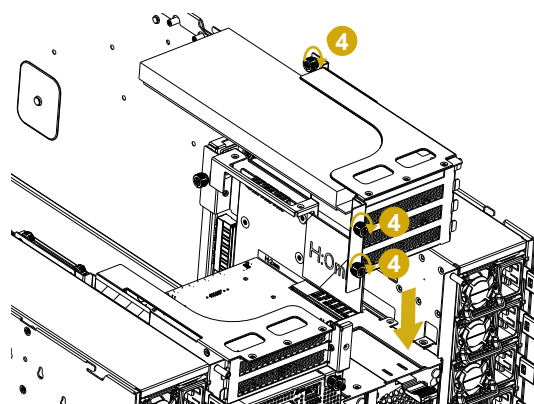
2. Remove the screw on the bracket to slide the blanking plate out.



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

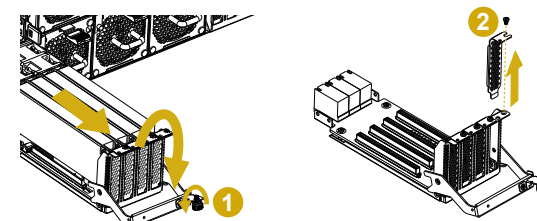


4. Install the add-in card assembly to the chassis with 4 thumbscrews.

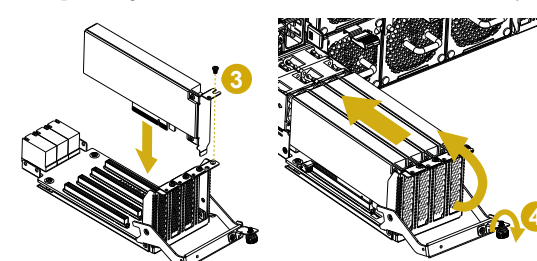


HHHL PCIe5.0 x16

1. Hand-release the thumbscrew and pull down the latch to remove the bracket.
2. Remove the screw to slide the blanking plate out.



3. Slot the add-in card to the board and secure it with the screw.
4. Slide the add-in card assembly to the bay. Lift the latch up and tighten the thumbscrew to secure the assembly.



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