



P/N: 15G065395000AR V1.0

Quick Installation Guide
1U12E-TURIN2/EVAC



1U12E-TURIN2/EVAC

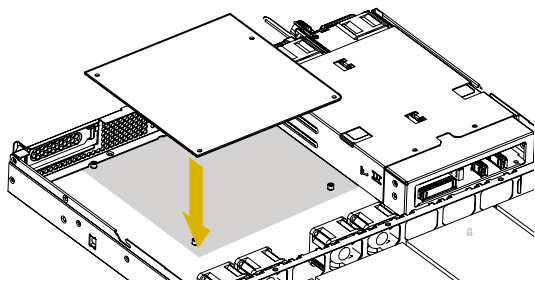
The User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

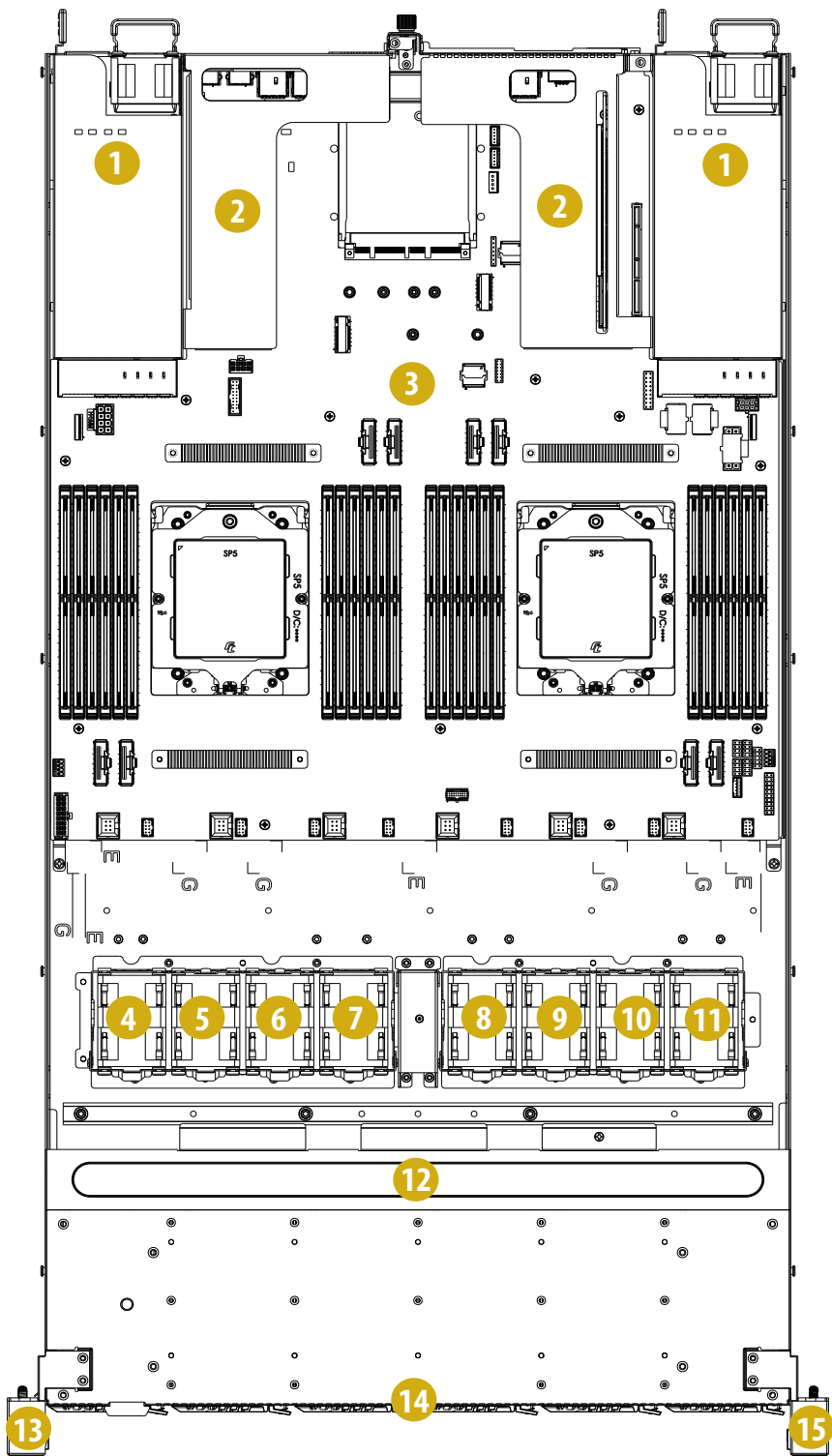
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

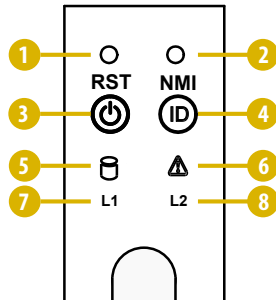


2 Internal Features



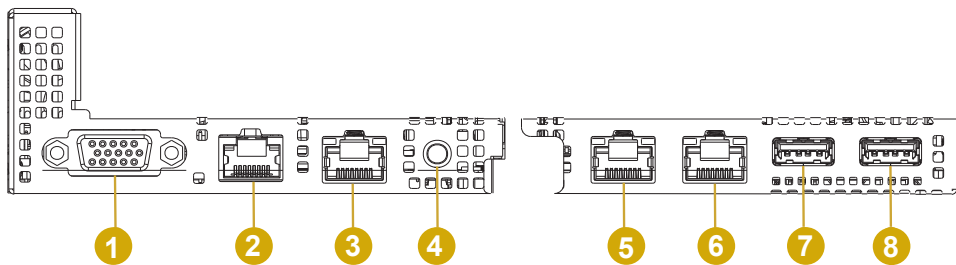
No.	Description
1	1+1 CRPS
2	2 FHHL PCIe5.0x16
3	Server board
4	System fan (FAN1)
5	System fan (FAN2)
6	System fan (FAN3)
7	System fan (FAN4)
8	System fan (FAN5)
9	System fan (FAN6)
10	System fan (FAN7)
11	System fan (FAN8)
12	Hard drive backplane board (BPB)
13	1 Type-A (USB3.2 Gen1)
14	12 Hot-swap 2.5" NVMe drive bays
15	Front I/O panel

3 Front I/O Panel



No.	Description
1	System reset button
2	NMI button
3	Power button w/ LED
4	ID button w/ LED
5	Hard drive activity LED
6	System fault LED
7	LAN1 LED
8	LAN2 LED

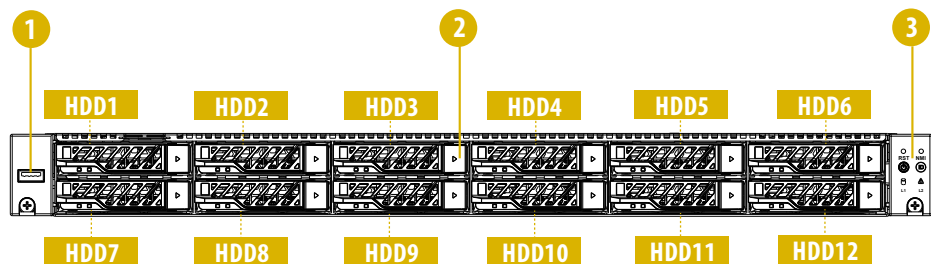
4 Rear I/O Panel



No.	Description
1	DB15 (VGA) port
2	RJ-45 (COM) port
3	IPMI LAN port
4	ID button w/ LED

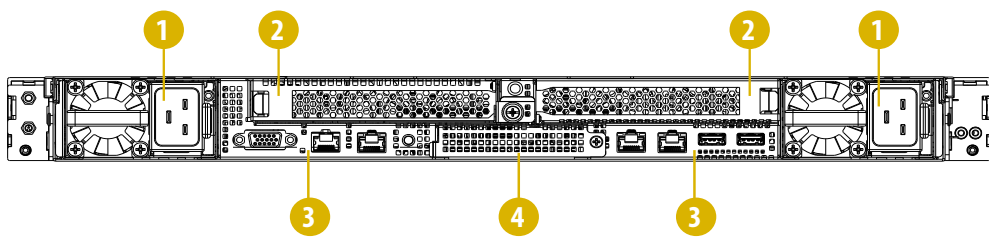
No.	Description
5	RJ-45 (1GbE) LAN port (LAN1)
6	RJ-45 (1GbE) LAN port (LAN2)
7	Type-A (USB3.2 Gen1) port
8	Type-A (USB3.2 Gen1) port

5 System Front Panel



No.	Description
1	1 Type-A (USB3.2 Gen1)
2	12 Hot-Swap 2.5" NVMe (PCIe5.0 x4) drive bays
3	Front I/O panel

6 System Rear Panel

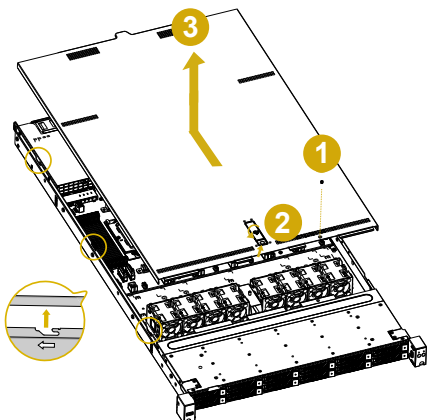


No.	Description
1	1+1 CRPS
2	2 FHHL PCIe5.0 x16
3	Rear I/O panel (depends on the specification of the server board)
4	1 OCP NIC 3.0 (PCIe5.0 x16)

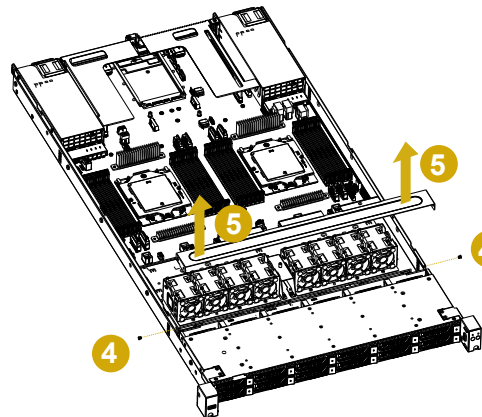


7 Remove Top Cover

1. Remove the screw securing the rear top cover.
2. Loosen the screw on the locking tab and press the button to unlock the cover.
3. Push the cover toward the REAR of the chassis to release it from the locked position. Lift up and remove the cover.



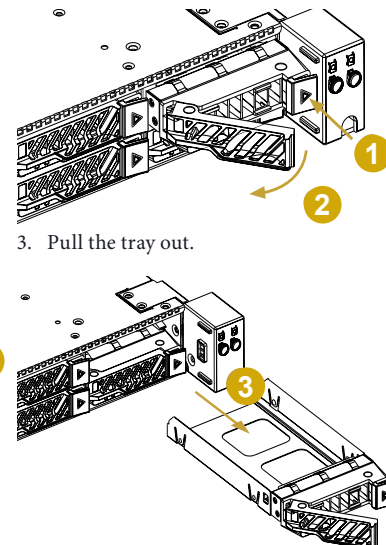
4. Remove the screws securing the hard drive backplane board cover to the chassis.
5. Lift up and remove the cover.



8 Remove Hard Drive Tray and Install Hard Drive

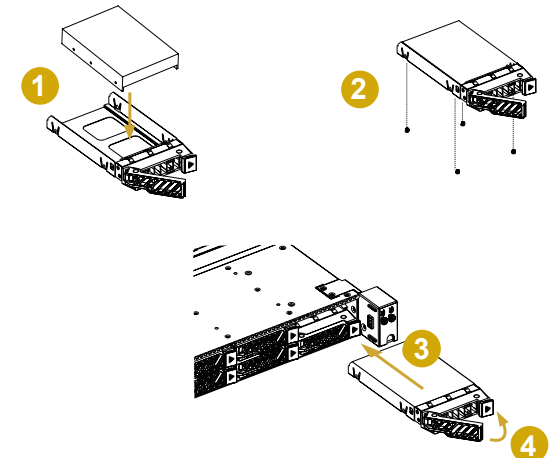
Removing Hard Drive Tray

1. Press the locking lever latch.
2. Open the lever.



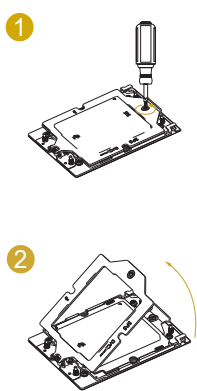
Installing 2.5" Hard Drive

1. Place the hard drive into the tray with printed circuit board side facing down.
2. Use the screws to secure the hard drive.
3. Slide the drive tray into the bay until the drive is fully seated.
4. Push in the locking lever to lock the hard drive tray.

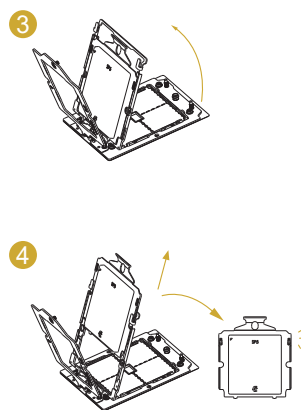


9 Install CPU and EVAC

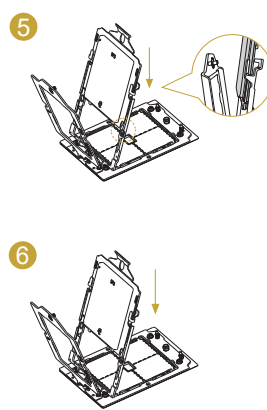
Locate the screw on the CPU socket and unscrew it. Open the first retention cover.



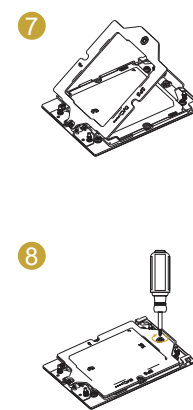
Open the second bracket. Take out the internal plastic cover.



Install CPU along with the carrier frame. Do not separate them. Please make sure the carrier frame with CPU is closely attached to the rail frame while inserting it.

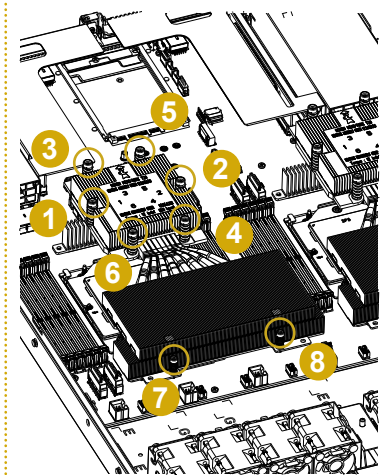


Close the bracket that holds the CPU. Close the retention cover and fasten the screw.



Tighten the screws in a sequential order 1 > 2 > 3 > 4 > 5 > 6 > 7 > 8 to install the EVAC.

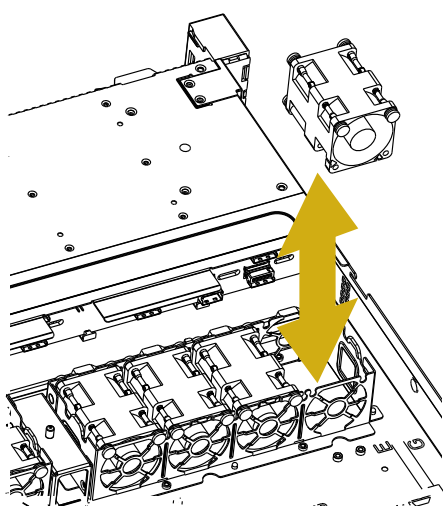
Note: Loosen the screws in a reverse order to remove the EVAC.



We recommend using the CPU Installation tool to avoid CPU pin-bent problem.

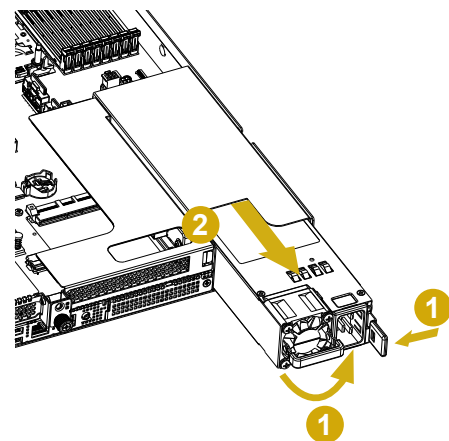
10 Replace System Fan

Press and hold the fan clip on to replace the fan.



12 Remove Power Supply

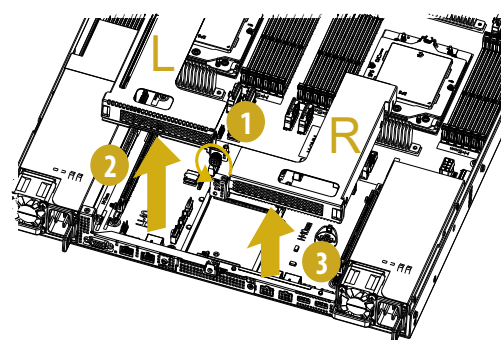
1. Hold onto the power supply handle while pressing the locking lever towards the power supply handle.
2. Pull to remove the power supply from the chassis.



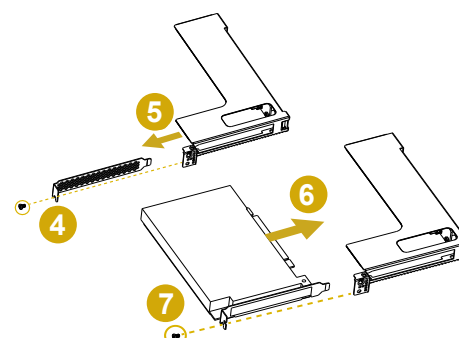
13 Install Add-in Card

Note: This system supports two riser-card brackets as shown below. For disassembly, hand-release the thumbscrew to remove bracket L first, then bracket R. If installing both add-in cards, install right add-in card first then left add-in card.

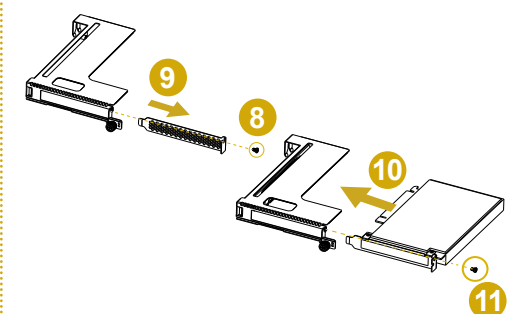
1. Hand-release the thumbscrew securing the left and right brackets.
2. Lift up and remove the left bracket.
3. Lift up and remove the right bracket.



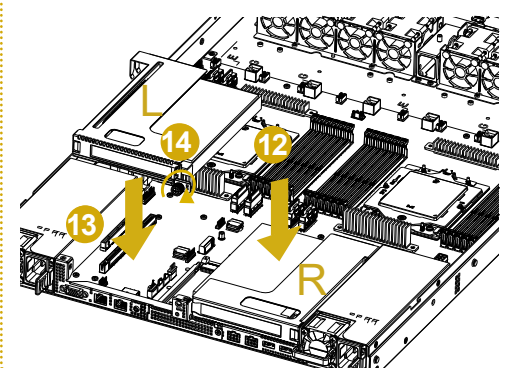
4. Remove the screw securing the blanking plate on the right bracket.
5. Slide the blanking plate out sideways.
6. Install an add-in card to the right bracket.
7. Secure the add-in card to the bracket with the screw.



8. Remove the screw securing the blanking plate on the left bracket.
9. Slide the blanking plate out sideways.
10. Install an add-in card to the left bracket.
11. Secure the add-in card to the bracket with the screw.

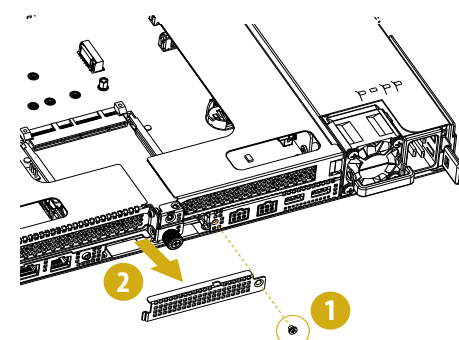


12. Place the right assembly to the chassis.
13. Place the left assembly to the chassis.
14. Hand-tighten the thumbscrew to secure both assemblies to the chassis.

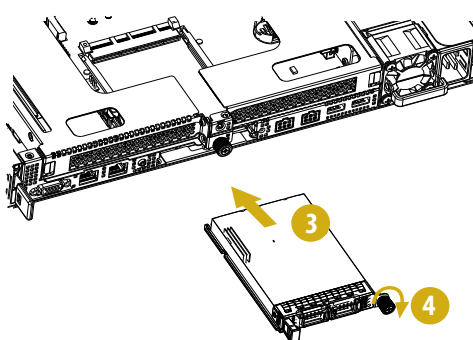


14 Install OCP

1. Remove the screw securing the slot cover to the chassis.
2. Remove the slot cover.



3. Install the OCP card into the slot.
4. Make sure the card is well seated and hand-tighten the thumbscrew.



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