



P/N: 15G065313000AR V1.0

Quick Installation Guide
1U12L4E-EGS/2L2Q



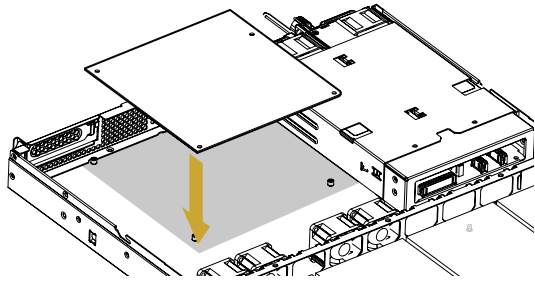
The User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

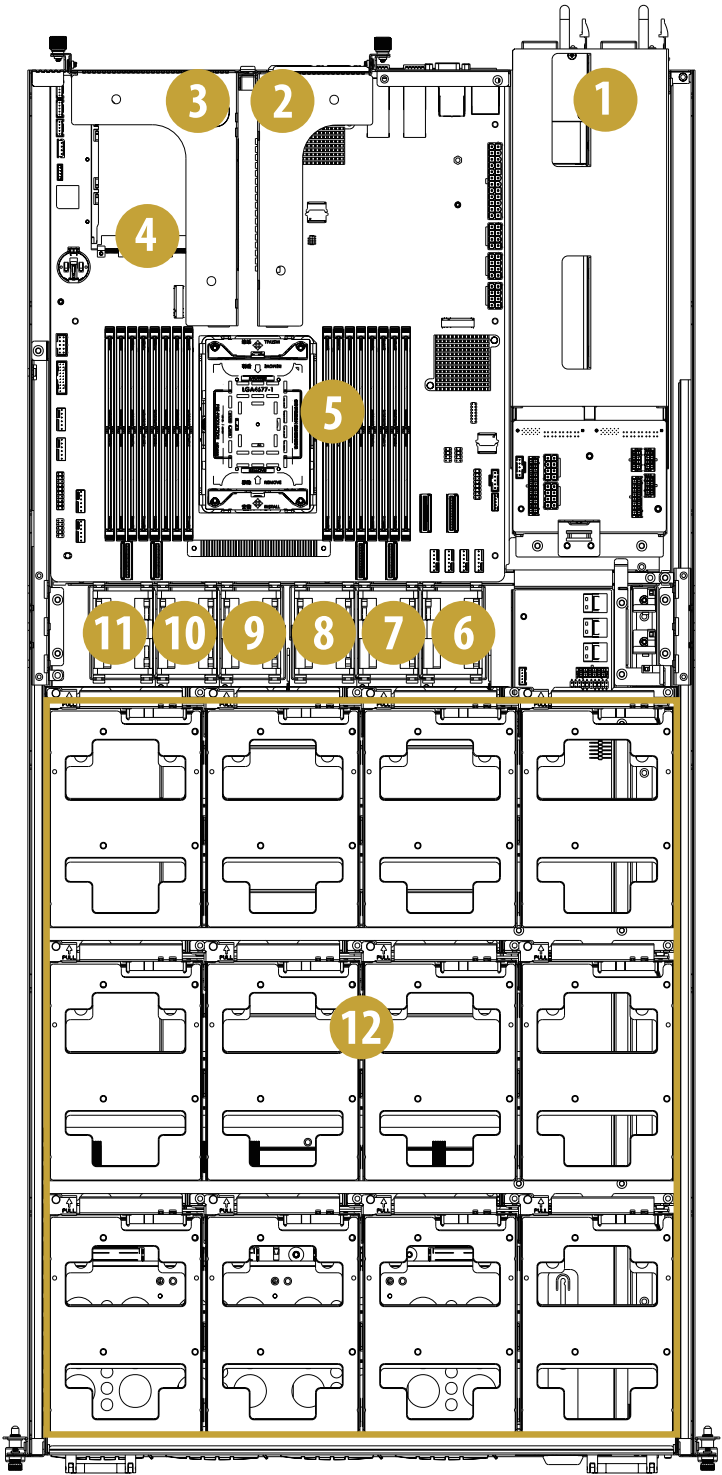
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

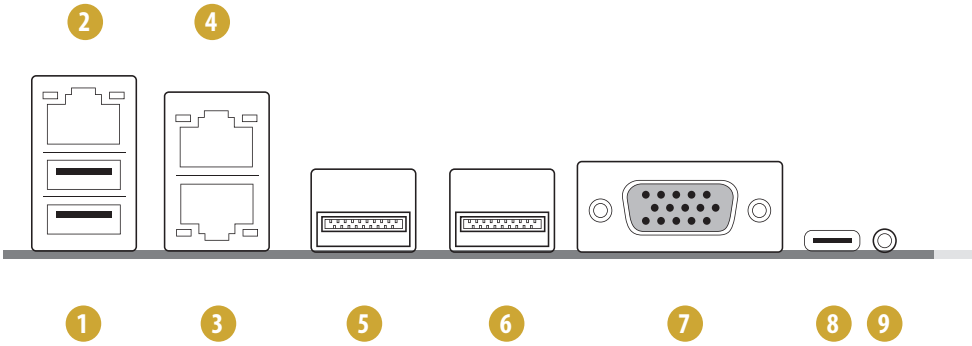


2 Top View



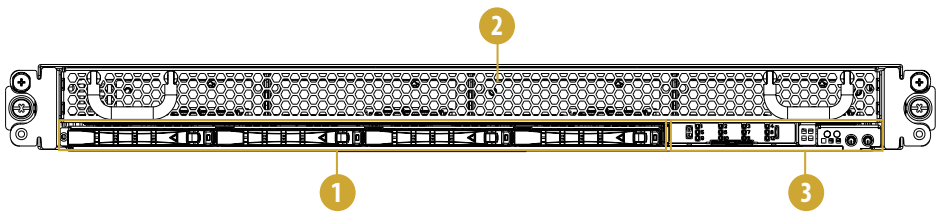
No.	From
1	1+1 Hot-swap Slim RPSU
2	1 x HHHL PCIe5.0 x16 via RB1UX16L_G5
3	1 x FHHL PCIe5.0 x16 via RB1UX16R_G5
4	1 x OCP NIC3.0 (PCIe5.0 x16)
5	Server Board
6	PWM Easy-swap 40x56 mm Fan (FAN1)
7	PWM Easy-swap 40x56 mm Fan (FAN2)
8	PWM Easy-swap 40x56 mm Fan (FAN3)
9	PWM Easy-swap 40x56 mm Fan (FAN4)
10	PWM Easy-swap 40x56 mm Fan (FAN5)
11	PWM Easy-swap 40x56 mm Fan (FAN6)
12	12 x Hot-swap 3.5" SATA Drive Bays

3 I/O Panel



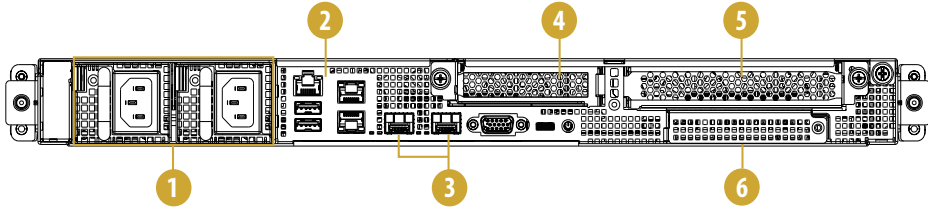
No.	Description	No.	Description
1	USB 3.2 Gen1 Ports (USB3_1_2)	6	25G SFP28 (Fiber) (SFP28_1)
2	LAN RJ-45 Port (IPMI_LAN)	7	VGA Port (VGA1)
3	1G LAN RJ-45 Port (LAN3)	8	Serial Port with Type-C (COM1)
4	1G LAN RJ-45 Port (LAN4)	9	UID Switch (UID1)
5	25G SFP28 (Fiber) (SFP28_2)		

4 Front Panel



No.	Description
1	4 x Hot-swap 2.5" NVMe (PCIe4.0 x4) Drive Bays supports 7mm height
2	Front Vent Panel
3	Control Panel Buttons and LED Indicators (depends on the specification of the server board)

5 Rear Panel



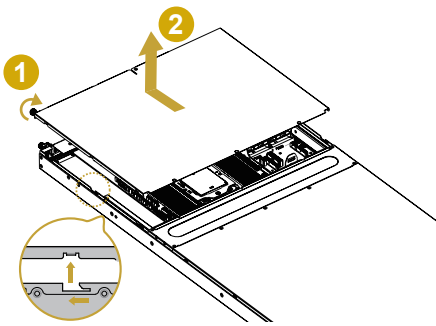
No.	Description
1	1+1 Hot-swap Slim RPSU
2	I/O Shield (depends on the specification of the server board)
3	2 x SFP28 (25GbE) by Broadcom BCM57414
4	1 x HHHL PCIe5.0 x16 via RB1UX16L_G5
5	1 x FHHL PCIe5.0 x16 via RB1UX16R_G5



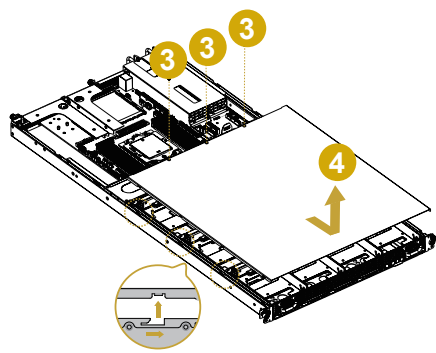
6 Remove and Install Top Cover

Remove the Server Top Cover

1. Hand-release the thumbscrew.
2. Push the top rear cover toward the rear side of the chassis to remove the cover.

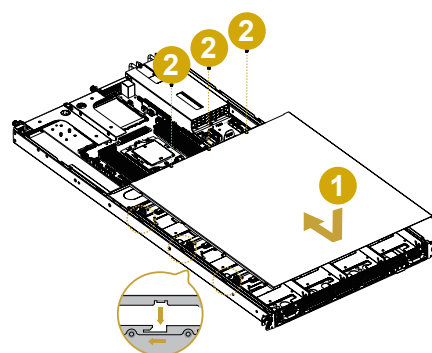


3. Remove the screws on the top cover.
4. Push the top front cover toward the front of the chassis to remove the cover.

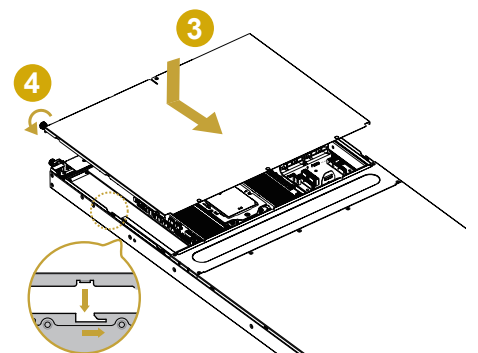


Install the Server Top Cover

1. Align the side latches align with the cutouts.
2. Slide the top front cover toward the rear of the chassis. Secure the cover in place with screws.

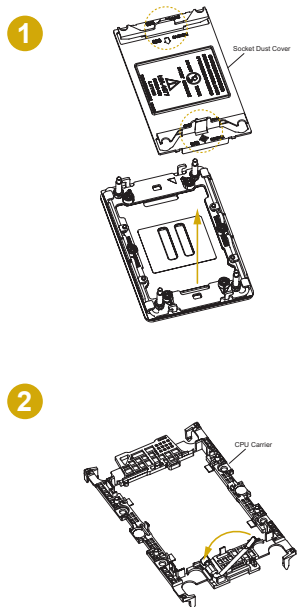


3. Align the side latches align with the cutouts. Slide the top rear cover toward the front side.
4. Hand-tighten the thumbscrew.

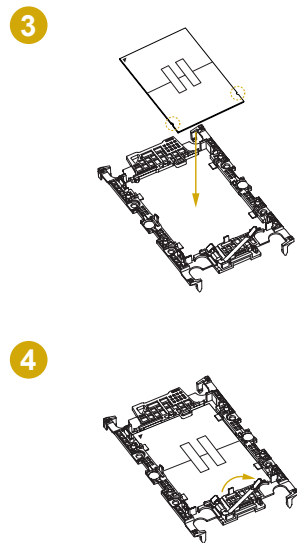


7 Install Processor and Heatsink

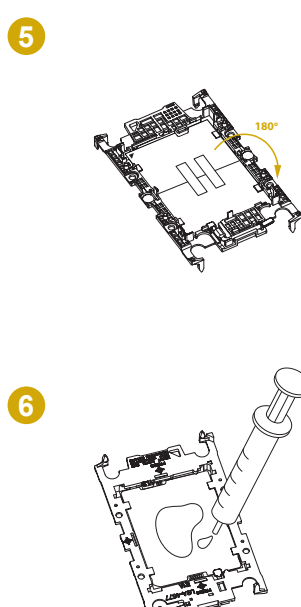
Remove the CPU socket cover and open the socket lever.



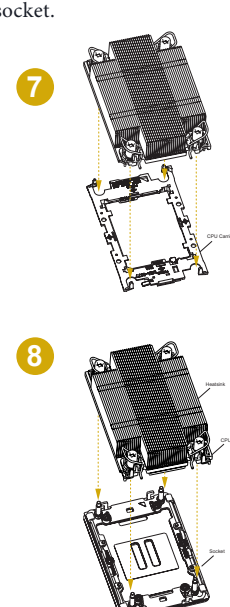
Align and install the processor on the carrier and make sure the arrow is located in the correct direction. Close the socket lever.



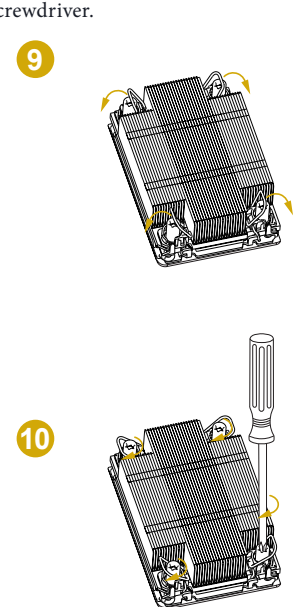
Carefully flip the carrier assembly. Apply a thermal paste.



Install the heatsink to the CPU carrier. Then install the heatsink and CPU carrier to the socket.



Tighten the corner fasteners. Secure the heatsink to the motherboard with a screwdriver.

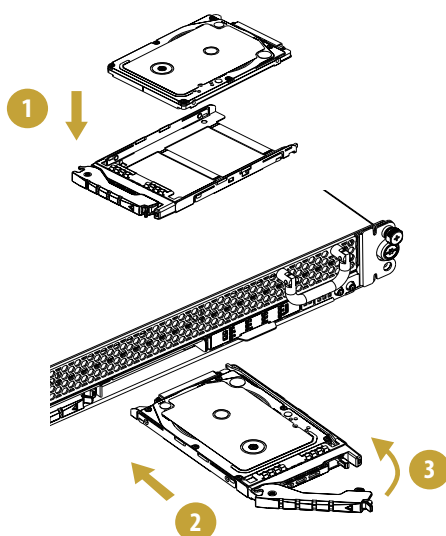


We recommend using the CPU Installation tool to avoid CPU pin-bent problem.

8 Remove HDD Tray and Install Hard Drive

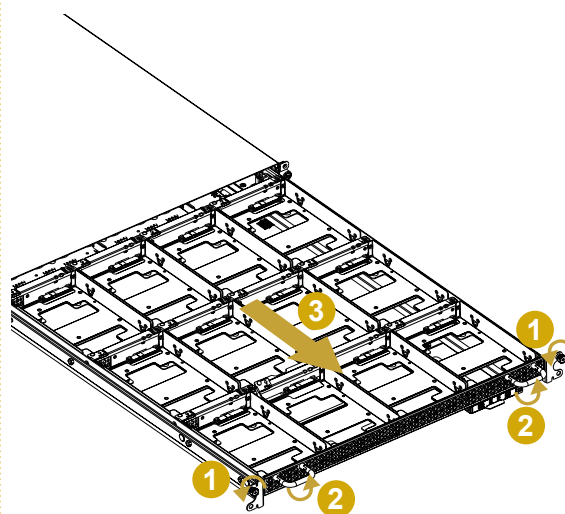
Install 2.5" Hard Drive

1. Place a 2.5" Hard Drive into the carrier.
2. Slide the drive tray into the Hard Drive bay.
3. Push in the locking lever to lock the tray into place.

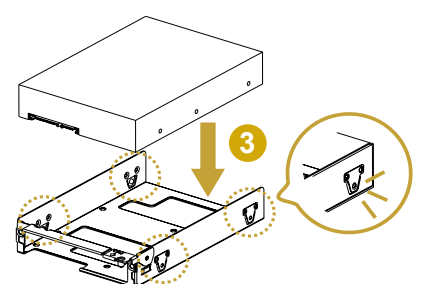


Install 3.5" Hard Drive

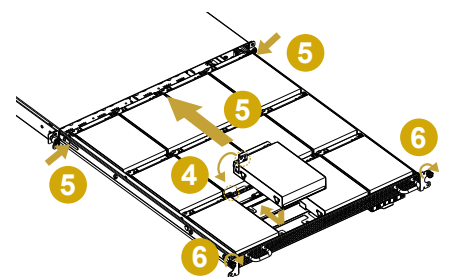
1. Release the thumbscrew that secures the Drive Bay.
2. Pull the Drive Bay out.



3. Align the mounting holes in the Hard Drive and the tray to install the Hard Drive into the tray until in place.

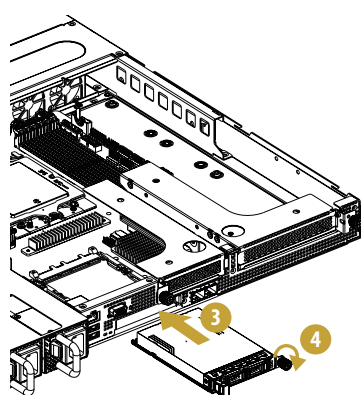
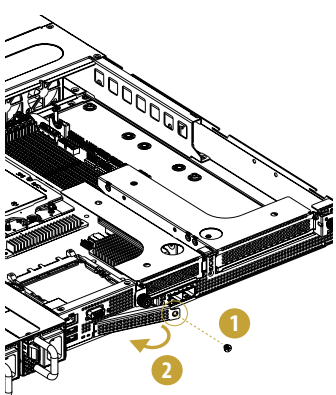


4. Place the assembled Drive into the Drive Bay and use the latch to lock it in place.
5. After installing the assembled Drive, lift the latches on the both side of Drive Bay to push the tray into the chassis simultaneously.
6. Tighten the thumbscrew to secure the Drive Bay to the chassis.



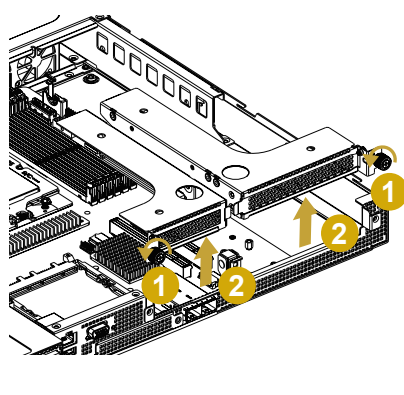
9 Install OCP

1. Release the thumbscrew.
2. Remove the slot cover.
3. Install an OCP card into the slot.
4. Tighten the thumbscrew on the face plate.

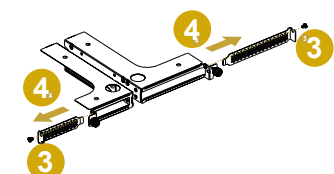


10 Add-in Card

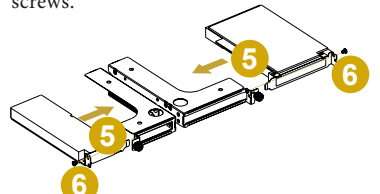
1. Release the thumbscrew.
2. Lift up and remove the riser-card bracket from the chassis.



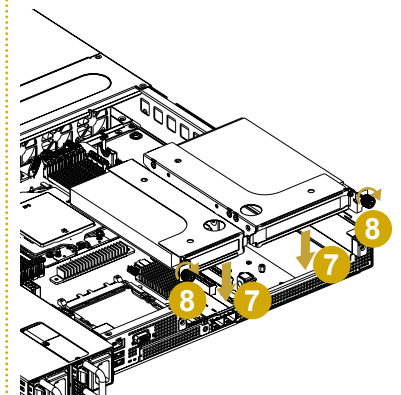
3. Remove the screws.
4. Slide the blanking plates out sideways.



5. Install the add-in card to the riser-card bracket.
6. Secure the add-in card to the bracket with screws.



7. Align the riser-card assembly with the openings of the chassis. Place it into the chassis.
8. Tighten the screw to secure the assembly to the chassis.



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