



P/N: 15G065278000AR V1.0

Quick Installation Guide
1U4L4E-EGS/2T



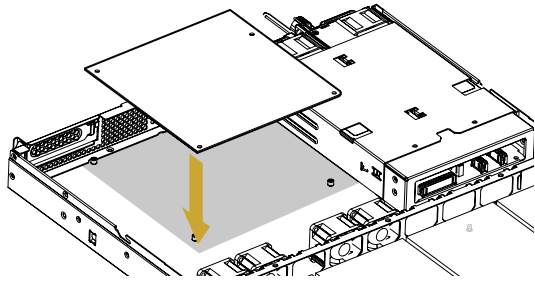
The User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

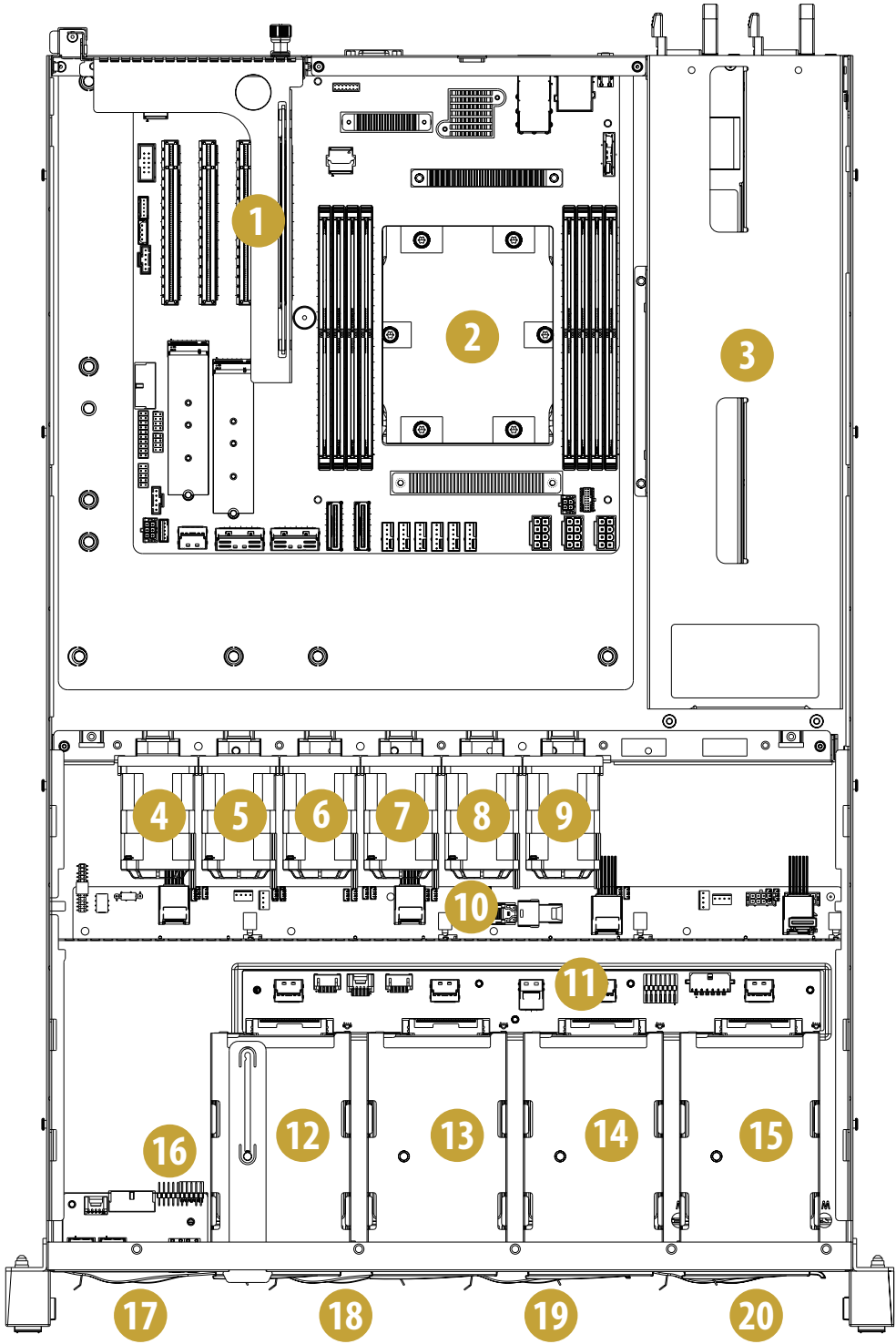
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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

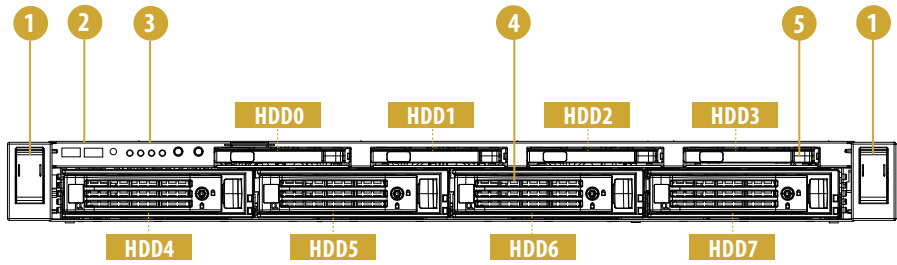


2 Top View



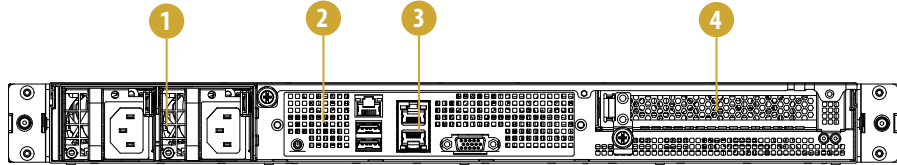
No.	From	No.	From
1	Riser Card (PCIe x16)	11	2.5" HDD Backplane Board
2	Serverboard	12	2.5" HDD Tray (HDD0) (Hot-swappable)
3	2 x Power Supply Units (PSU)	13	2.5" HDD Tray (HDD1) (Hot-swappable)
4	System Fan 6	14	2.5" HDD Tray (HDD2) (Hot-swappable)
5	System Fan 5	15	2.5" HDD Tray (HDD3) (Hot-swappable)
6	System Fan 4	16	Front Panel Board
7	System Fan 3	17	3.5" HDD Tray (HDD4) (Hot-swappable)
8	System Fan 2	18	3.5" HDD Tray (HDD5) (Hot-swappable)
9	System Fan 1	19	3.5" HDD Tray (HDD6) (Hot-swappable)
10	3.5" HDD Backplane Board	20	3.5" HDD Tray (HDD7) (Hot-swappable)

3 Front Panel



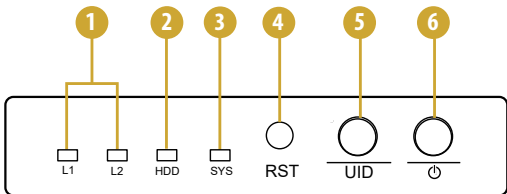
No.	Description
1	Thumbscrew Covers
2	2 x Type-A USB2.0 Ports
3	Control Panel
4	4 x 3.5" Hot-Swap HDD Trays (3.5" SATA HDD)
5	4 x 2.5" Hot-Swap HDD Trays (2.5" 7mm NVME / SATA SSD / SAS HDD)

4 Rear Panel



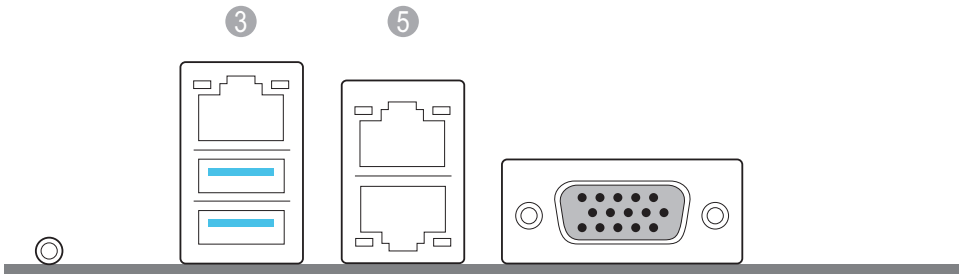
No.	Description
1	2 x Power Supply Units (PSU)
2	Rear Vent
3	I/O Shield
4	PCI Express Slot (for the riser card)

6 Control Panel



No.	Description
1	LAN1 and LAN2 Activity LED
2	HDD Status LED
3	System Status LED
4	System Reset Button
5	ID Button and LED
6	Power Button and LED

5 I/O Panel

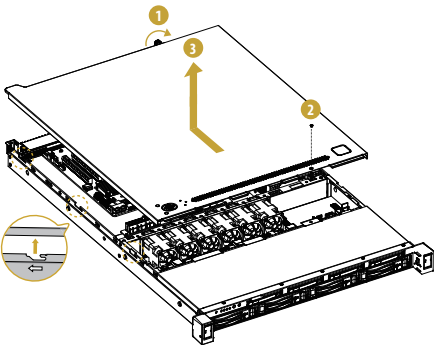


No.	Description	No.	Description
1	UID Switch (UID1)	4	10G LAN RJ-45 Port (LAN1)
2	USB 3.2 Gen1 Ports (USB3_1_2)	5	10G LAN RJ-45 Port (LAN2)
3	IPMI LAN Header (IPMI_LAN1)	6	VGA Port (VGA1)

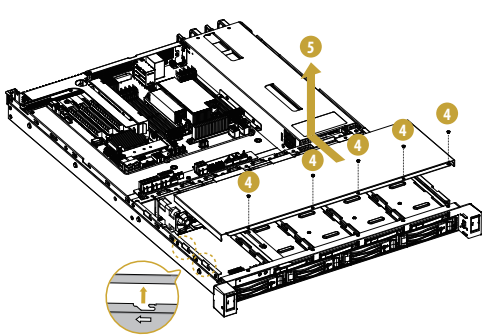


7 Remove and Install Top Cover

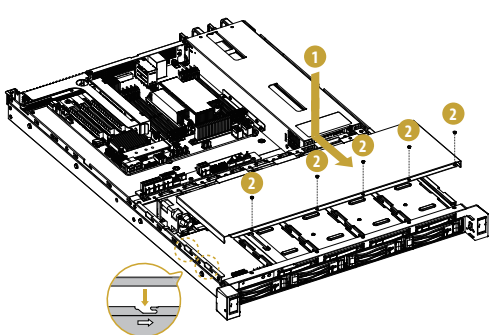
Release the rear and top rear cover screws and remove the top rear cover.



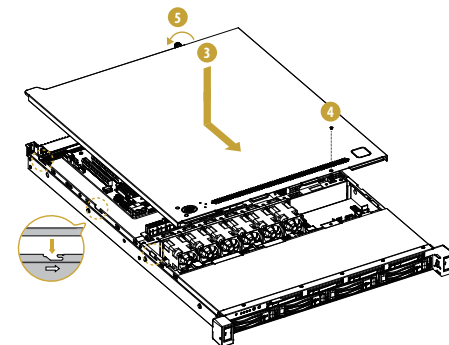
Release all top front cover screws and remove the top front cover.



For installation, align both side latches with the cutouts. Install the top front cover and secure it with screws.

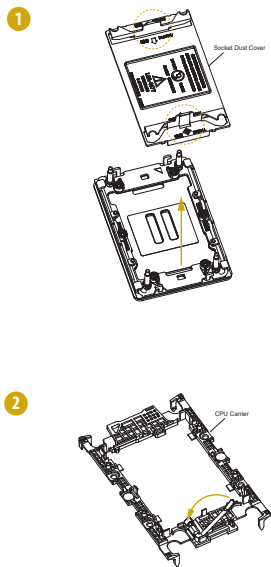


Install the top rear cover toward and secure it with screws.

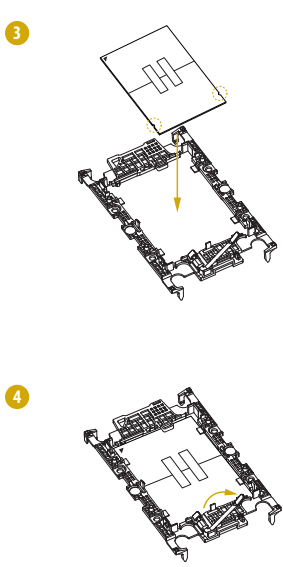


8 Install Processor and Heatsink

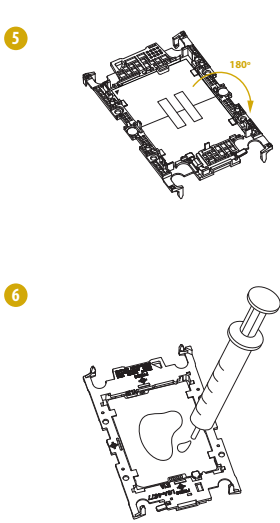
Remove the CPU socket cover and open the socket lever.



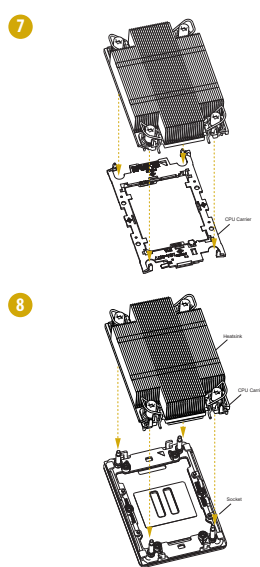
Install the processor on the carrier and make sure the arrow is located in the correct direction. Close the socket lever.



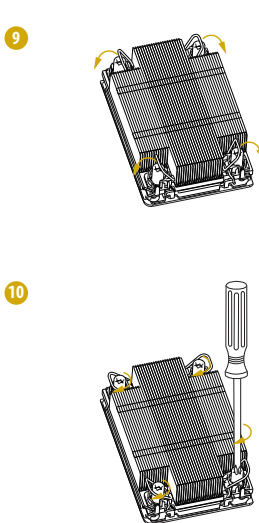
Carefully flip the carrier assembly. Apply a thermal paste.



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.

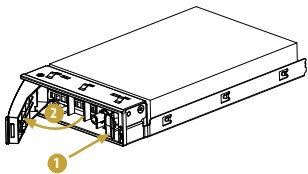


We recommend using the CPU Installation tool to avoid CPU pin-bent problem.

9 Replace HDD

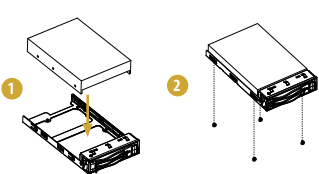
Remove HDD

Press the locking lever latch to open the lever and remove the hard drive from the tray.

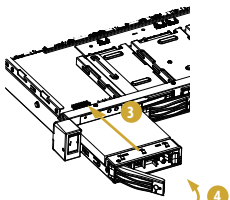


Install 3.5" Hard Drive

Place the HDD into the tray and use the screws to secure it.

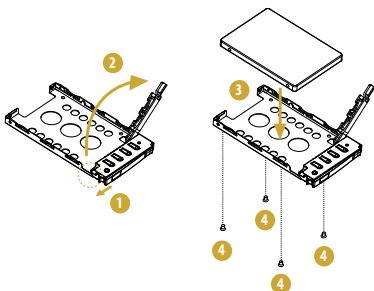


Slide the driver tray into the HDD bay and push in the locking lever to lock the tray into place.

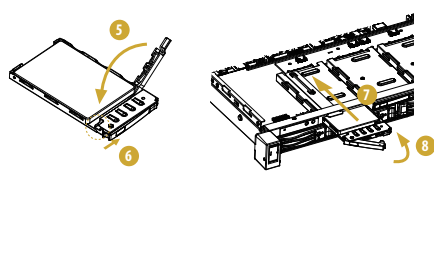


Install 2.5" Hard Drive

Pull the slide lock toward the left side to release the lever. And place the HDD into the tray and use the screws to secure it.

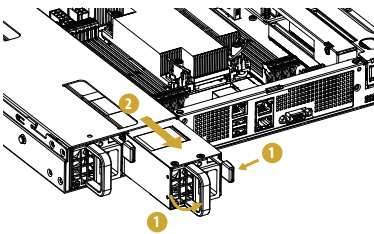


Close the lever and push the slide lock toward the right side for locking. Slide the driver tray into the HDD bay and push in the locking lever to lock the tray into place.

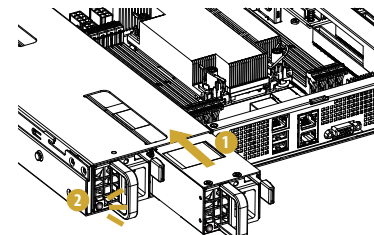


10 Replace PSU

Press the locking lever and hold on the handle to pull the old PSU out.

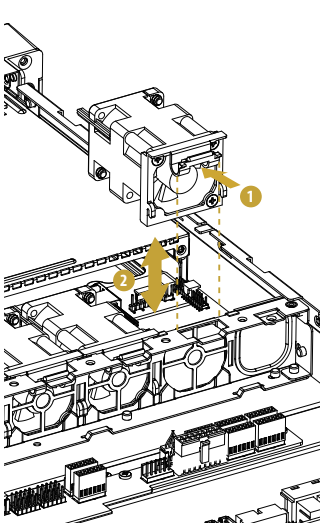


Slide a new PSU into the power supply bay with LED appears on the lower left.



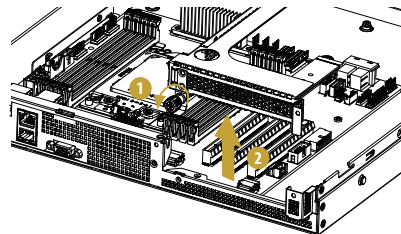
11 Replace FAN

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

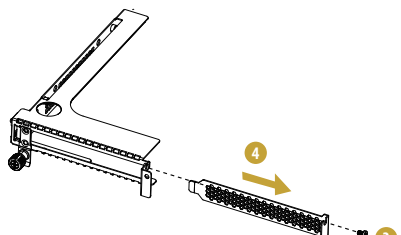


12 Replace Add-On Card

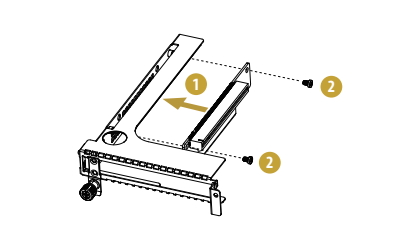
Release the thumbscrew to lift up the riser-card bracket.



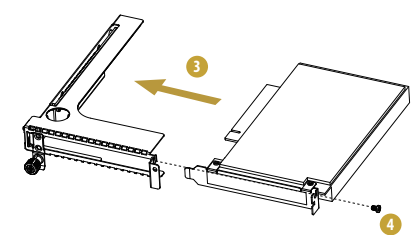
Remove the screw to slide the blanking plate out.



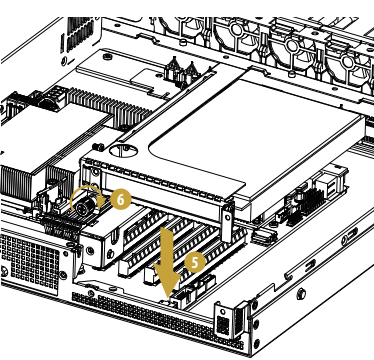
Install riser card to the bracket and secure it with screws.



Install the add-on card to the bracket assembly and secure it with a screw.



Install the riser-card assembly to the chassis with the thumbscrew.



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