P/N: 15G065343000AR V1.0

Quick Installation Guide

4U18N-AM5/2T

ASRock Rack
www.asrockrack.com

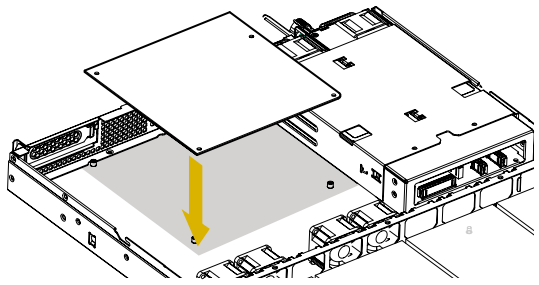
The User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

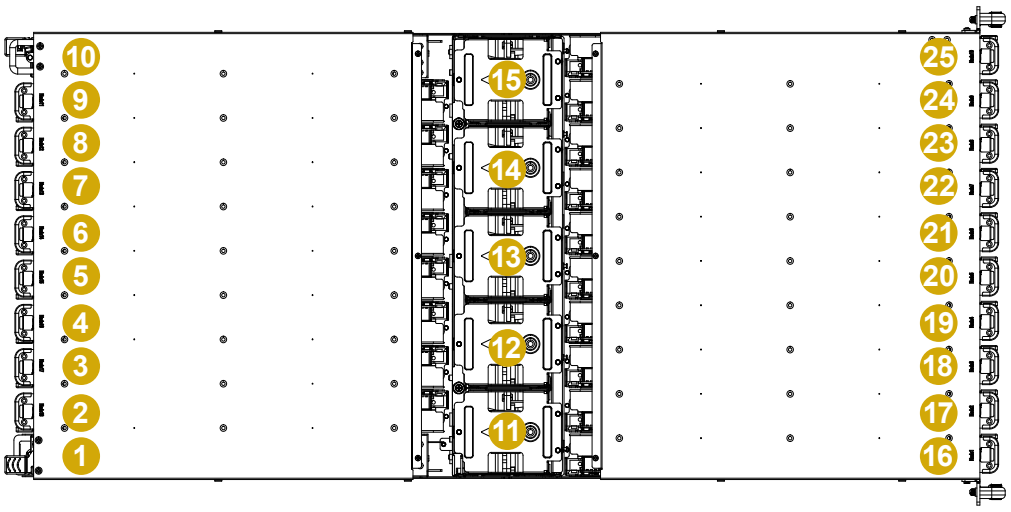
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the components due to static electricity, NEVER place the components directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before installation.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



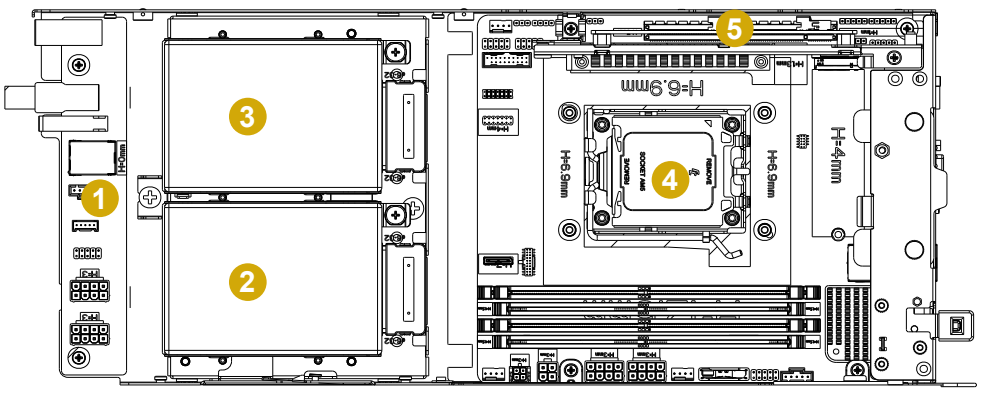
2 Top View



No.	From
1	2 x Power Supply Units (Top: PSU1 / Bottom: PSU2) 2000W
2	System Node / Server Board Tray (Node18)
3	System Node / Server Board Tray (Node17)
4	System Node / Server Board Tray (Node16)
5	System Node / Server Board Tray (Node15)
6	System Node / Server Board Tray (Node14)
7	System Node / Server Board Tray (Node13)
8	System Node / Server Board Tray (Node12)
9	System Node / Server Board Tray (Node11)
10	2 x Power Supply Units (Top: PSU3 / Bottom: PSU4) 2000W
11	System Fan (FAN5)
12	System Fan (FAN4)

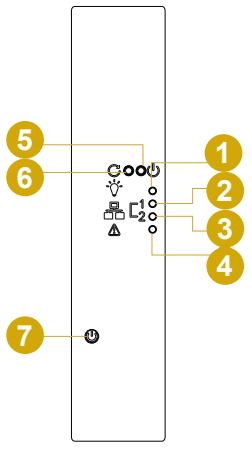
No.	From
13	System Fan (FAN3)
14	System Fan (FAN2)
15	System Fan (FAN1)
16	System Node / Server Board Tray (Node1)
17	System Node / Server Board Tray (Node2)
18	System Node / Server Board Tray (Node3)
19	System Node / Server Board Tray (Node4)
20	System Node / Server Board Tray (Node5)
21	System Node / Server Board Tray (Node6)
22	System Node / Server Board Tray (Node7)
23	System Node / Server Board Tray (Node8)
24	System Node / Server Board Tray (Node9)
25	System Node / Server Board Tray (Node10)

3 Node Top View



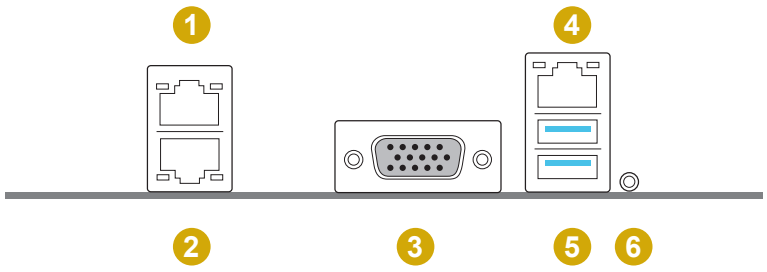
No.	Description
1	Interposer Board (4U18N_IPB)
2	2.5" NVMe SSD (PCIe4.0 x4)
3	2.5" NVMe SSD (PCIe4.0 x4)
4	Server Board (MB)
5	Riser Board (PCIE to 2*Slimline) (RB1U2SL_G4)

4 Control Panel



No.	Description
1	Power LED
2	LAN1 LED
3	LAN2 LED
4	System Event LED
5	Power Button
6	System Reset Button
7	UID Button & LED

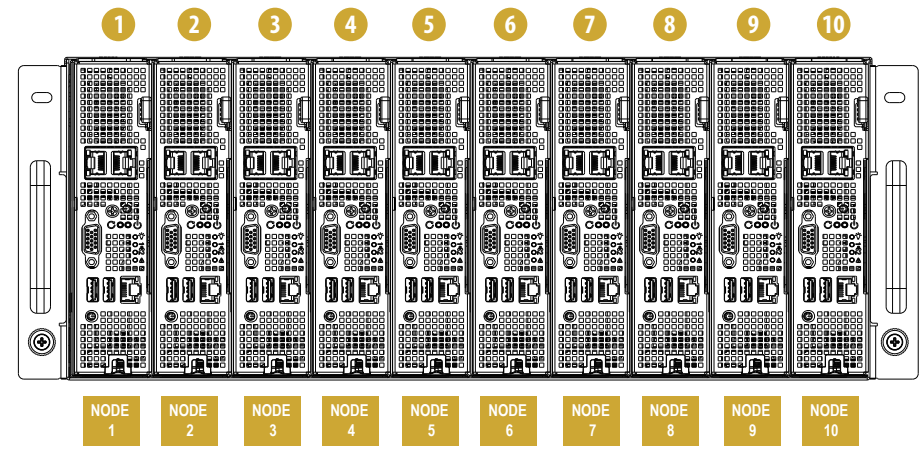
5 I/O Panel



No.	Description
1	10G LAN RJ-45 Port (LAN2)
2	10G LAN RJ-45 Port (LAN1)
3	VGA Port (VGA1)

No.	Description
4	LAN RJ-45 Port (IPMI_LAN1)
5	USB 3.2 Gen1 Ports (USB3_1_2)
6	UID Switch (UID1)

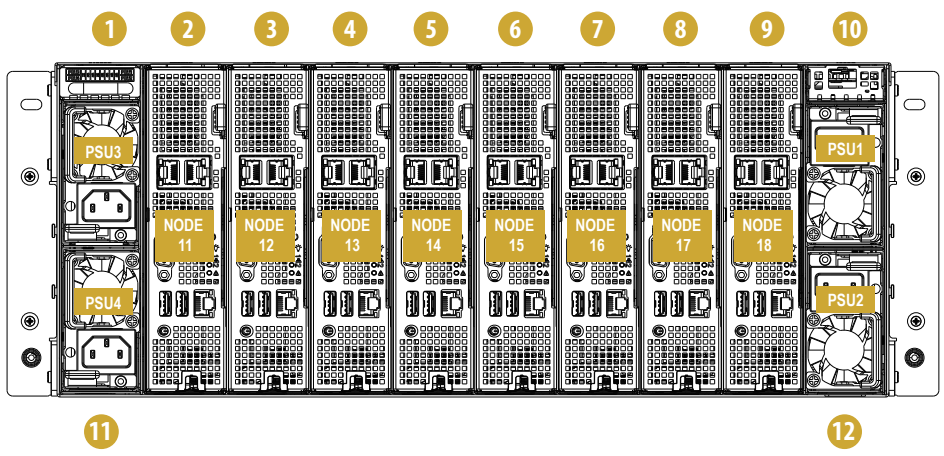
6 Front Panel



No.	From
1	System Node / Server Board Tray (Node1)
2	System Node / Server Board Tray (Node2)
3	System Node / Server Board Tray (Node3)
4	System Node / Server Board Tray (Node4)
5	System Node / Server Board Tray (Node5)

No.	From
6	System Node / Server Board Tray (Node6)
7	System Node / Server Board Tray (Node7)
8	System Node / Server Board Tray (Node8)
9	System Node / Server Board Tray (Node9)
10	System Node / Server Board Tray (Node10)

7 Rear Panel



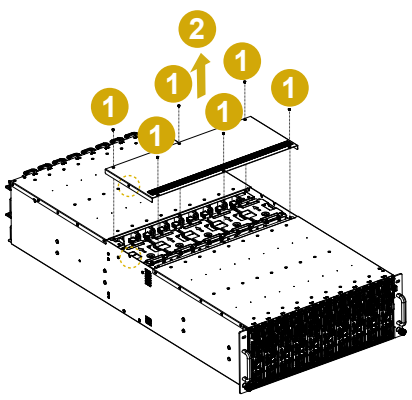
No.	From
1	Power Supply Unit 3 (PSU3)
2	System Node / Server Board Tray (Node11)
3	System Node / Server Board Tray (Node12)
4	System Node / Server Board Tray (Node13)
5	System Node / Server Board Tray (Node14)
6	System Node / Server Board Tray (Node15)

No.	From
7	System Node / Server Board Tray (Node16)
8	System Node / Server Board Tray (Node17)
9	System Node / Server Board Tray (Node18)
10	Power Supply Unit 1 (PSU1)
11	Power Supply Unit 4 (PSU4)
12	Power Supply Unit 2 (PSU2)

8 Server Top Cover

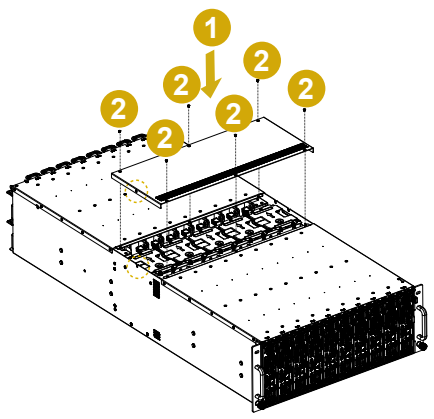
Remove Top Cover

Release the screws to remove top cover.



Install Top Cover

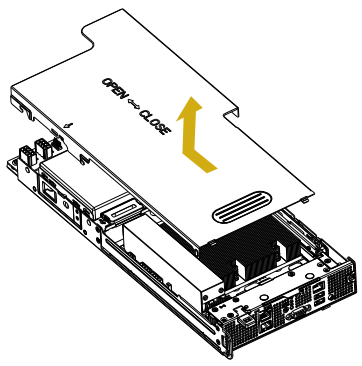
Align both side with the cutouts to install top cover in place in place with screws.



9 Node Cover

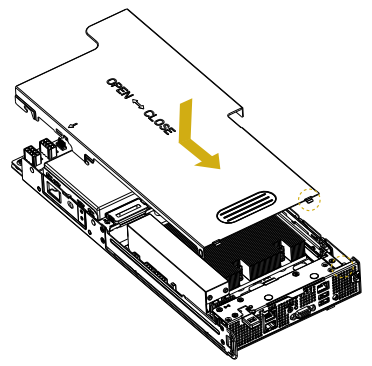
Removing the Node Cover

Press the tab and push straight back to remove the node cover from the locked position. Then lift up and remove the cover.



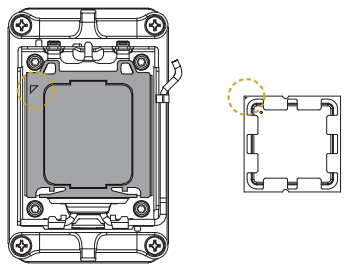
Installing the Node Cover

Place the node cover on the node tray and slide it toward the front until the recessed front edge fits smoothly under the tray edge.

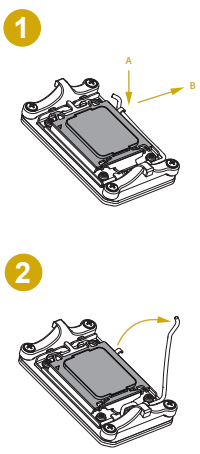


10 Install Processor and Heatsink (LGA 1718 Socket)

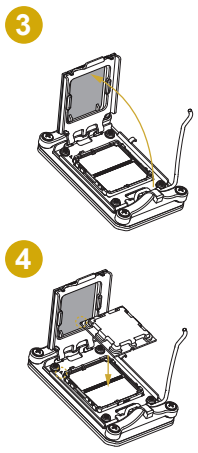
Release the screws to remove top cover.



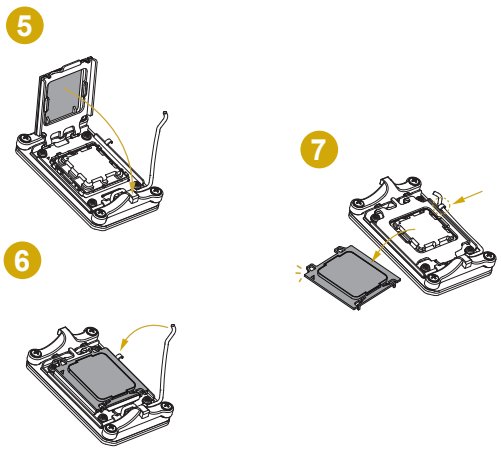
Carefully place the CPU in as flat as possible. Do not drop it.



Make sure the CPU is aligned with the socket before locking it into place.



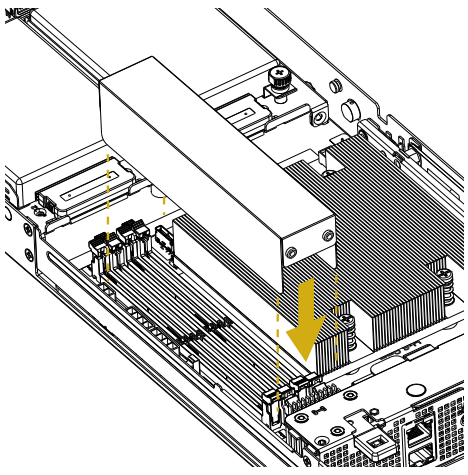
Make sure the black cover plate is always in place until it pops off when closing the socket lever.



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

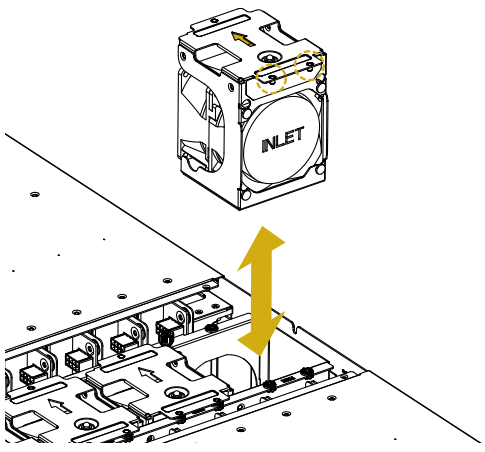
11 Air Duct

To install the air duct, align the air duct with the heatsink and the add-in cards. Lower the air duct into the server system.



12 System Fan

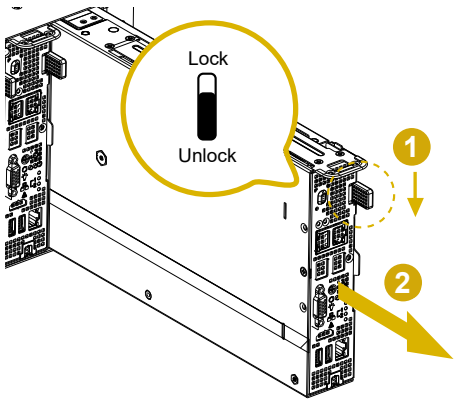
Align the mounting holes on the replacement fan with the fan mounts on the fan bar , gently place the fan onto the mounts , make sure the fan is well seated.



13 Node Tray

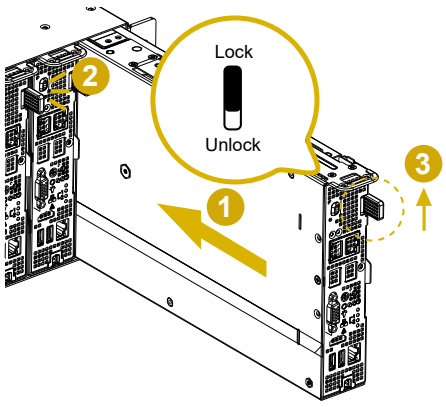
Removing a Node Tray from the Chassis

Press down the retention latch to unclock , hold onto the tray handle and gently pull out the node tray from the chassis.



Installing a Node Tray into the Chassis

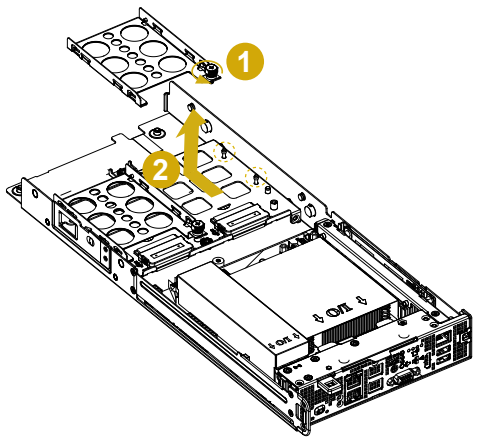
Align and carefully slide the rail until it clicks into place , pull up the retention latch to lock and secure the node tray to the chassis.



14 Hard Drive

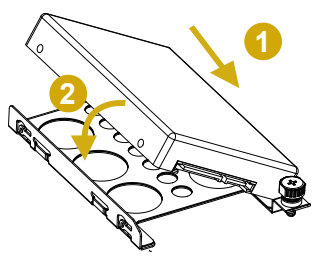
Removing the Hard Drive Bracket from the node

Press down the retention latch to unclock , hold onto the tray handle and gently pull out the node tray from the chassis.

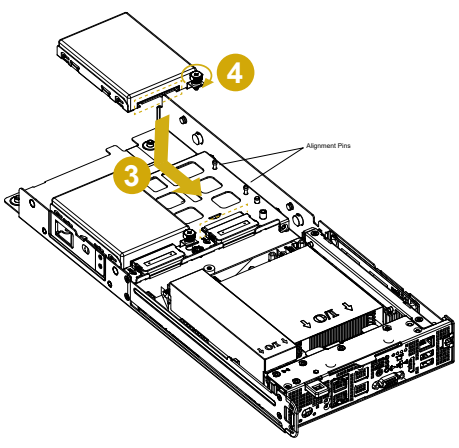


Installing a Hard Drive to the Hard Drive Bracket

Align and carefully slide the rail until it clicks into place , pull up the retention latch to lock and secure the node tray to the chassis.

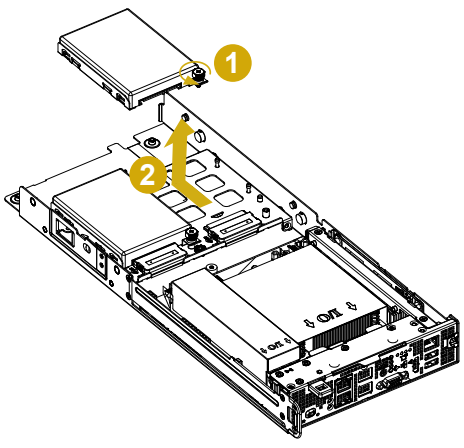


Slide it toward the FRONT, making sure the hard drive is fully seated into the connector , tighten the thumbscrew to secure it into place.



Removing a Hard Disk Drive

Release the thumscrew , slide the drive assmebly toward to rear to remove it from the hard drive socket in the chassis.



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