P/N: 15G065389000AK V1.0

Quick Installation Guide

AM5D4ID2

www.asrockrack.com

AM5D4ID2

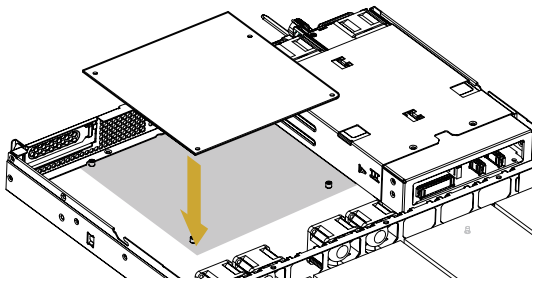
The server board User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

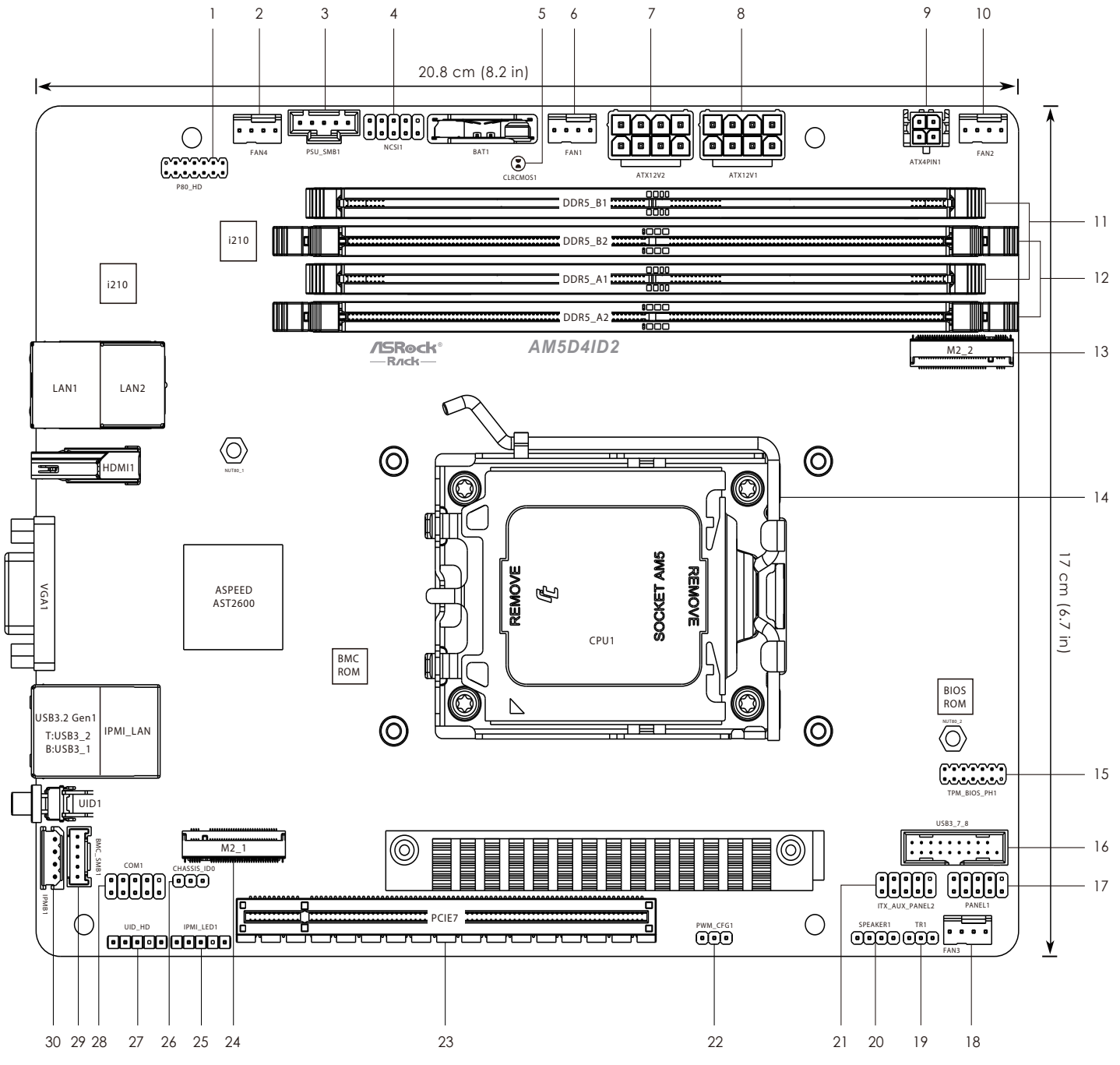
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place the server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before handling the components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever uninstall any component, place it on a grounded anti-static pad or in the bag that comes with the component.
5. When placing screws into the screw holes to secure the server board to the chassis, please do not over-tighten the screws! Doing so may damage the server board.

1 Install the Server Board

1. Insert the server board into the chassis.
2. Affix the screws clockwise into the mounting holes in all of the corners of the server board.
   Do not over-tighten the screws

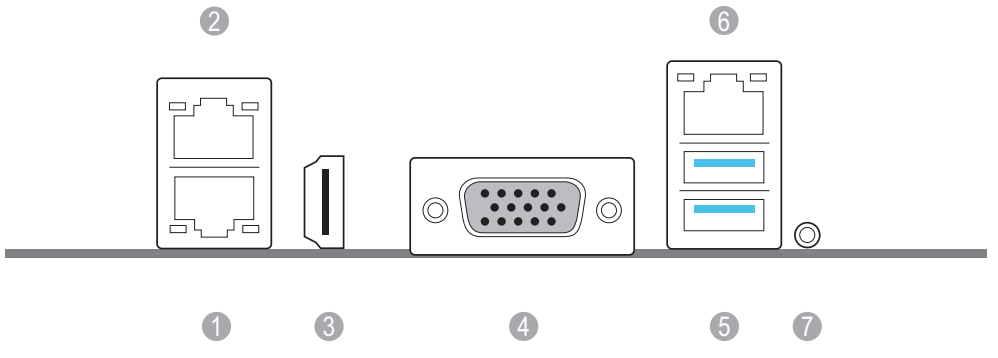


2 Motherboard Layout



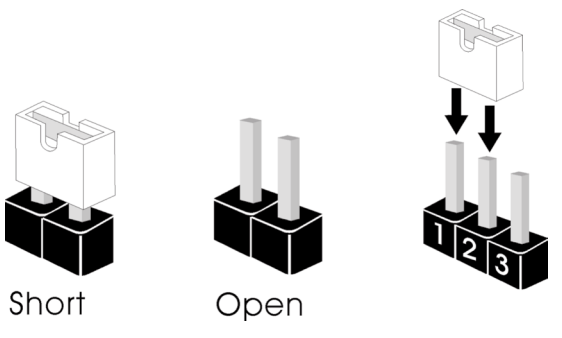
No.	Description
1	80 Debug Header (P80_HD)
2	System Fan Connector (FAN4)
3	PSU SMBus Header (PSU_SMB1)
4	NSCI Header (NSCI1)
5	Clear CMOS Pad (CLRCMOS1)
6	System Fan Connector (FAN1)
7	ATX 12V Power Connector (ATX12V2)
8	ATX 12V Power Connector (ATX12V1)
9	ATX 4-PIN Power Connector (ATX4PIN1)
10	System Fan Connector (FAN2)
11	2 x 288-pin DDR5 DIMM Slots (DDR5_A1, DDR5_B1)
12	2 x 288-pin DDR5 DIMM Slots (DDR5_A2, DDR5_B2)
13	M.2 Socket (M2_2) (Type 2280)
14	AMD Socket AM5 (LGA 1718) (CPU1)
15	SPI TPM Header (TPM_BIOS_PH1)
16	USB 3.2 Gen1 Header (USB3_7_8)
17	System Panel Header (PANEL1)
18	System Fan Connector (FAN3)
19	Thermal Sensor Header (TR1)
20	Speaker Header (SPEAKER1)
21	Auxiliary Panel Header (ITX_AUX_PANEL1)
22	PWM Configuration Header (PWM_CFG1)
23	PCI Express 5.0 x16 Card Slot (PCIE7)
24	M.2 Socket (M2_1) (Type 2280)
25	IPMI LAN LED Header (IPMI_LED1)
26	Chassis ID Jumper (CHASSIS_ID0)
27	UID Button Header (UID_HD)
28	Serial Port Header (COM1)
29	Baseboard Management Controller SMBus Header (BMC_SMB1)
30	Intelligent Platform Management Bus Header (IPMB1)

3 I/O Panel



No.	Description	No.	Description
1	1G LAN RJ-45 Port (LAN1, shared NIC)	5	USB 3.2 Gen1 Ports (USB3_1_2)
2	1G LAN RJ-45 Port (LAN2)	6	LAN RJ-45 Port (IPMI_LAN1)
3	HDMI Port (HDMI1)	7	UID Switch (UID1)
4	VGA Port (VGA1)		

4 Jumper Cap On/Off



When the jumper cap is placed on the pins, the jumper is "Short". If no jumper cap is placed on the pins, the jumper is "Open".

The illustration shows a 3-pin jumper whose pin1 and pin2 are "Short" when a jumper cap is placed on these 2 pins.

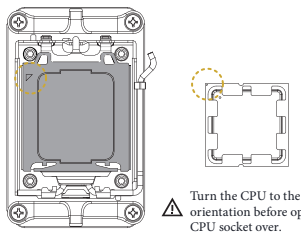
Quick Installation Guide

AM5D4ID2

ASRock Rack
www.asrockrack.com
AM5D4ID2

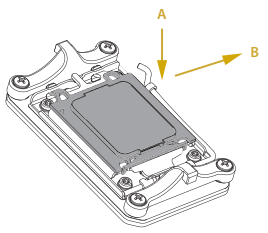
5 Install the Processor

1

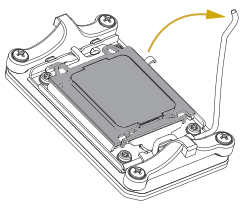


⚠ Turn the CPU to the correct orientation before opening the CPU socket over.

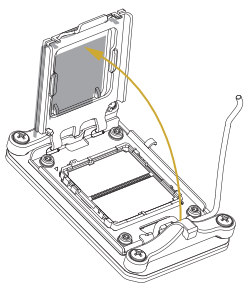
2



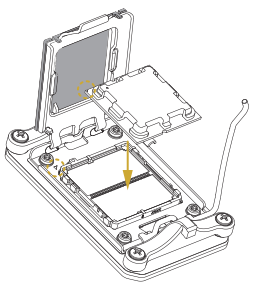
3



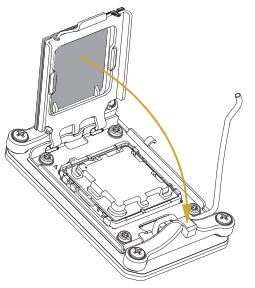
4



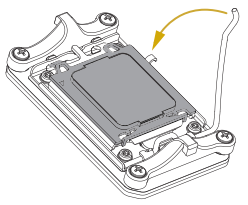
5



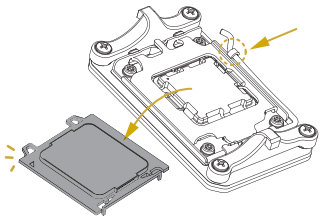
6



7



8

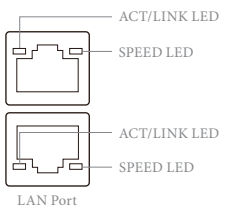


⚠ Make sure the black cover plate is always in place until it pops off when closing the socket lever.

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

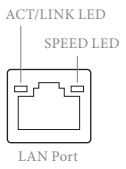
8 LAN Port LED Indications

1G LAN Port



Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection or no link
Blinking Yellow	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

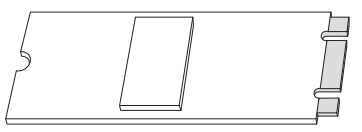
IPMI LAN Port



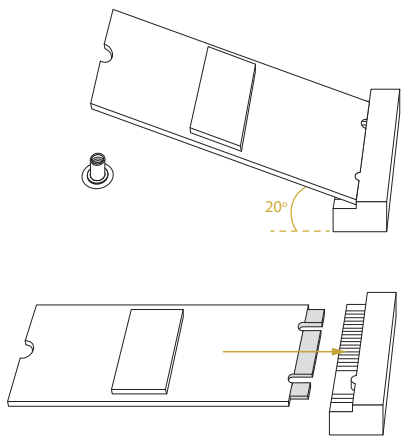
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10M bps connection or no link
Blinking Yellow	Data Activity	Orange	100M bps connection
On	Link	Green	1Gbps connection

10 M.2 SSD Module Installation

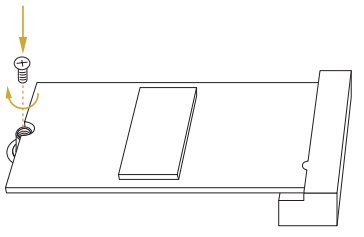
1 Prepare a M.2 SSD module and the screw.



2 Gently insert the M.2 SSD module into the M.2 slot. Please be aware that the M.2 SSD module only fits in one orientation.

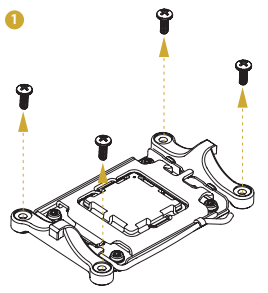


3 Tighten the screw with a screwdriver to secure the module into place. Please do not overtighten the screw as this might damage the module.

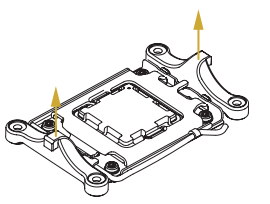


6 Install the Heatsink

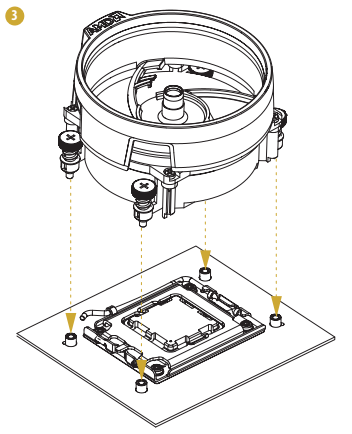
1



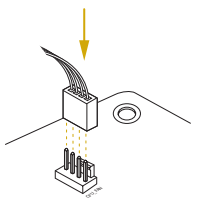
2



3

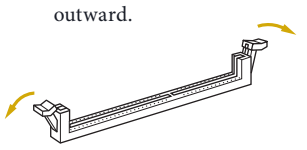


4

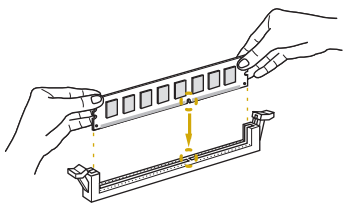


7 Install the Memory

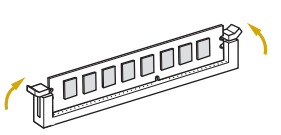
1 Unlock a DIMM slot by pressing the module clips outward.



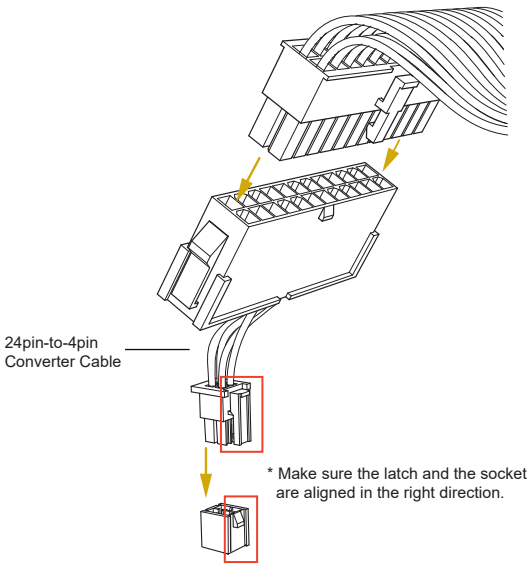
2 Insert the memory module.



3 Lock the clips.



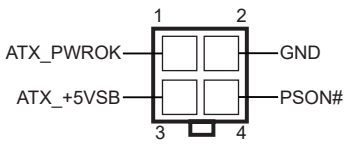
9 Install the Power Cables



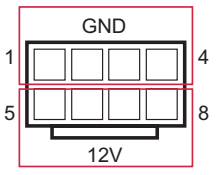
* Make sure the latch and the socket are aligned in the right direction.

ATX4PIN1

Micro-Fit Power Connector



ATX12V

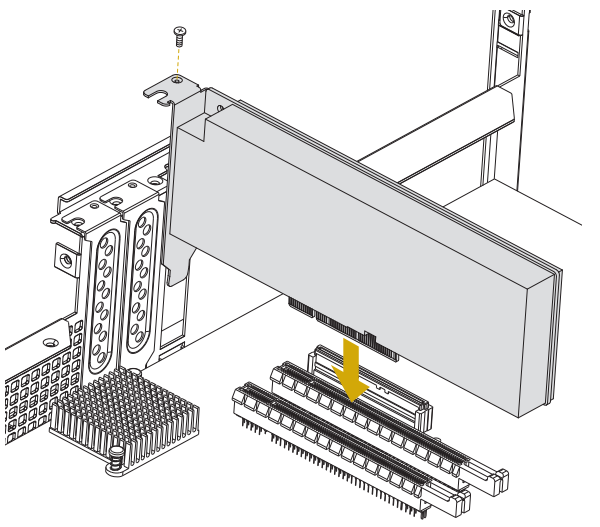


11 Install the PCIE Card

1 Remove the bracket facing the slot that intending to use. Keep the screw for later use.

2 Align the card connector with the slot and press firmly until the card is completely seated on the slot.

3 Fasten the card to the chassis with the screw.



**Images shown are for illustrative purposes only and may differ depending on model.*