P/N: 15G065400000AK V1.0

Quick Installation Guide

W880D4ID-2Q

www.asrockrack.com

W880D4ID-2Q

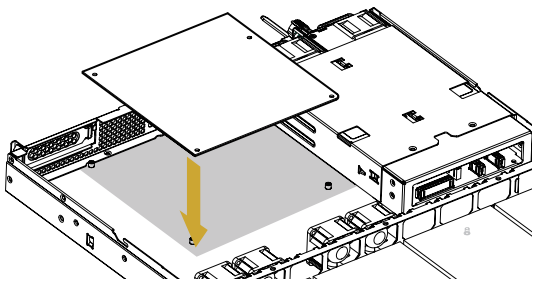
The server board User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

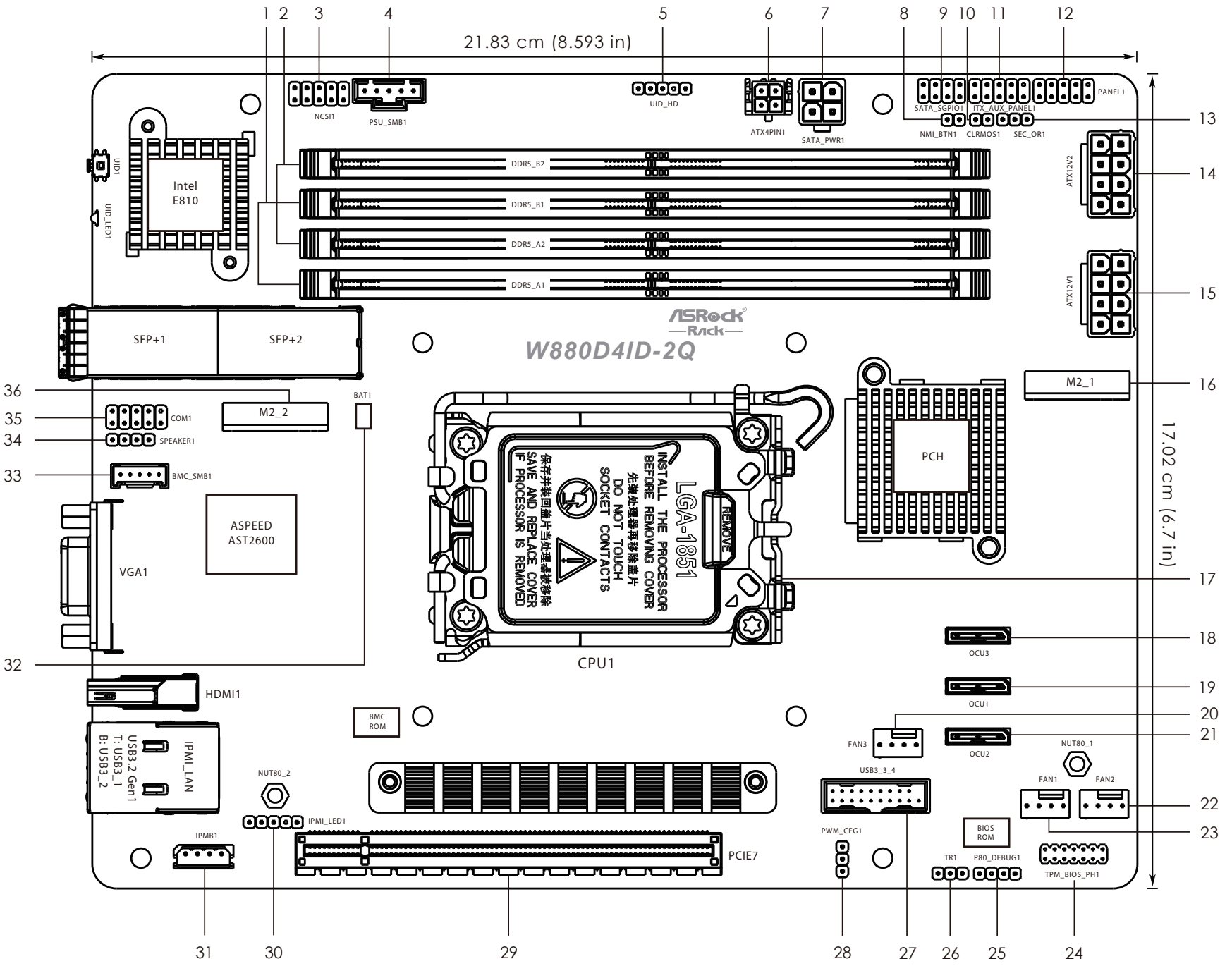
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place the server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before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



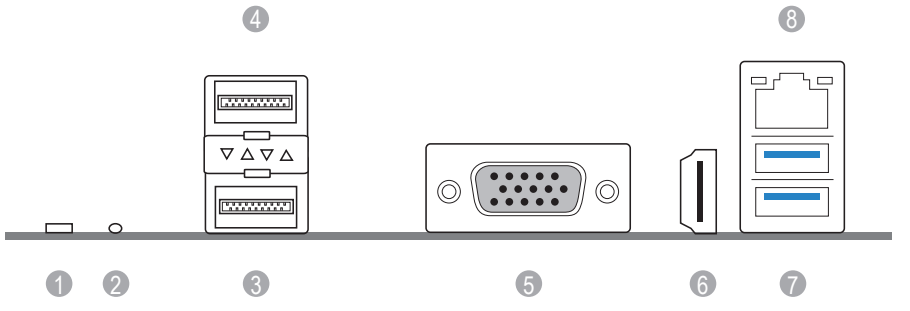
2 Motherboard Layout



No.	Description
1	2 x 288-pin DDR5 DIMM Slots (DDR5_A1, DDR5_B1)
2	2 x 288-pin DDR5 DIMM Slots (DDR5_A2, DDR5_B2)
3	NCSI Header (NCSI1)
4	PSU SMBus Header (PSU_SMB1)
5	UID Header (UID_HD)
6	ATX 4-PIN Power Connector (ATX4PIN1)
7	SATA Power Connector (SATA_PWR1)
8	Non Maskable Interrupt Button (NMI_BTN1)
9	Serial General Purpose Input/Output Header (SATA_SGPIO1)
10	Clear CMOS Jumper (CLRMOS1)
11	Auxiliary Panel Header (ITX_AUX_PANEL1)
12	System Panel Header (PANEL1)
13	Security Override Jumper (SEC_OR1)
14	ATX 12V Power Connector (ATX12V2)
15	ATX 12V Power Connector (ATX12V1)
16	M.2 Socket (M2_1) (Type 2280)
17	LGA1851 CPU Socket (CPU1)
18	OCuLink PCIe4.0 x4 Connector (OCU3)

No.	Description
19	OCuLink PCIe4.0 x4 or 4 SATA 6Gb/s Connector (OCU1)
20	System Fan Connector (FAN3)
21	OCuLink PCIe4.0 x4 or 4 SATA 6Gb/s Connector (OCU2)
22	System Fan Connector (FAN2)
23	System Fan Connector (FAN1)
24	SPI TPM Header (TPM_BIOS_PH1)
25	P80 Debug Header (P80_DEBUG1)
26	Thermal Sensor Header (TR1)
27	USB 3.2 Gen1 Header (USB3_3_4)
28	PWM Configuration Header (PWM_CFG1)
29	PCI Express 5.0 x16 Slot (PCIE7)
30	IPMI LED Header (IPMI_LED1)
31	Intelligent Platform Management Bus Header (IPMB1)
32	CMOS Battery Connector (BAT1)
33	Baseboard Management Controller SMBus Header (BMC_SMB1)
34	Speaker Header (SPEAKER1)
35	Serial Port Header (COM1)
36	M.2 Socket (M2_2) (Type 2280)

3 I/O Panel



No.	Description
1	UID Switch (UID1)
2	UID LED (UID_LED1)
3	25G SFP28 Port (SFP+1, shared NIC)
4	25G SFP28 Port (SFP+2)

No.	Description
5	VGA Port (VGA1)
6	HDMI Port (HDMI1)
7	USB 3.2 Gen1 Ports (USB3_1_2)
8	LAN RJ-45 Port (IPMI_LAN1)

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

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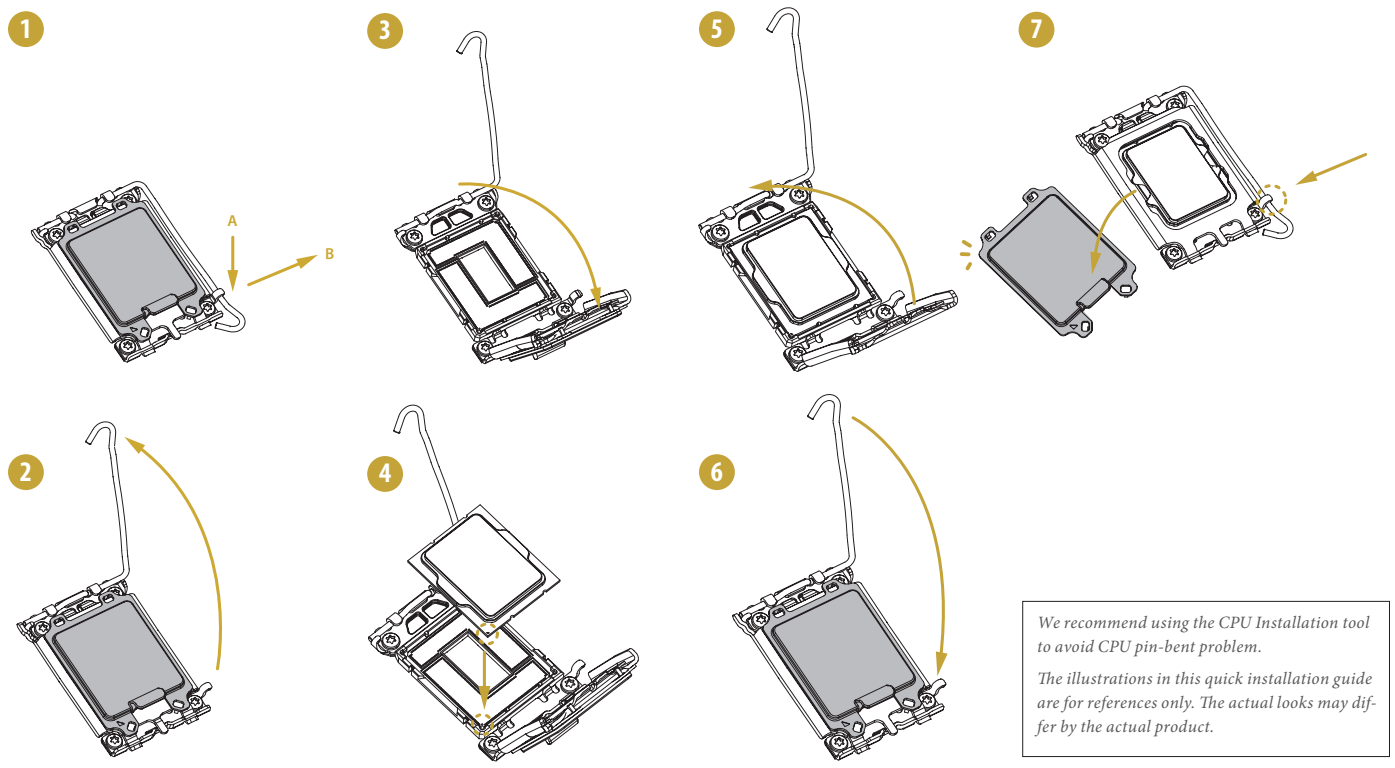
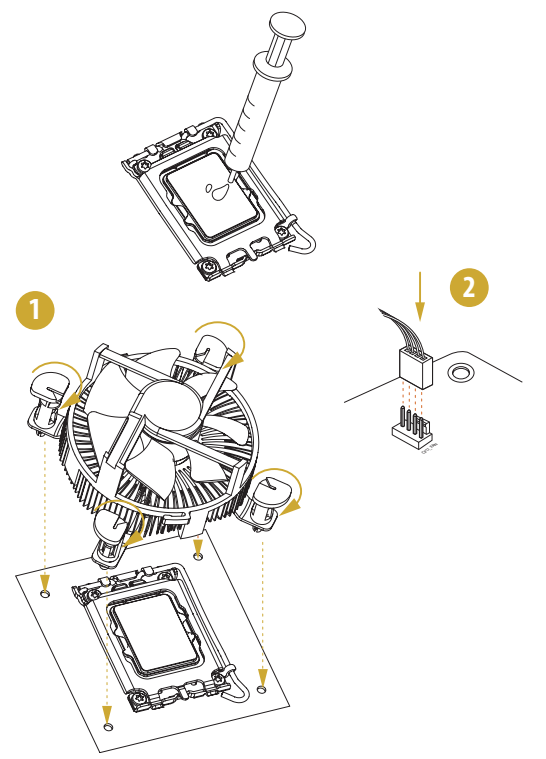
4 Install the Processor



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

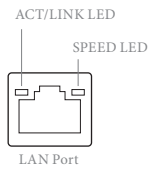
The illustrations in this quick installation guide are for references only. The actual looks may differ by the actual product.

5 Install the CPU Fan and Heatsink



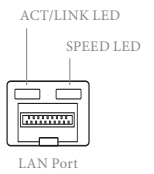
6 LAN Port LED Indications

IPMI LAN Port



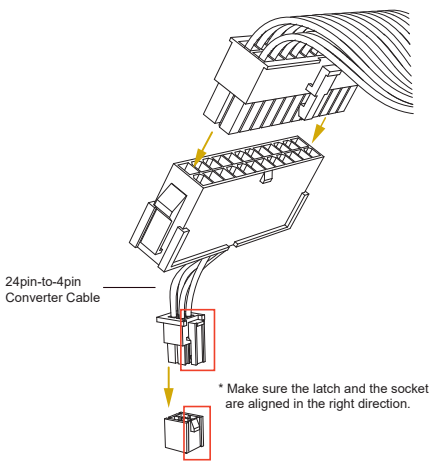
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10M bps connection or no link
Blinking Yellow	Data Activity	Yellow	100M bps connection
On	Link	Green	1Gbps connection

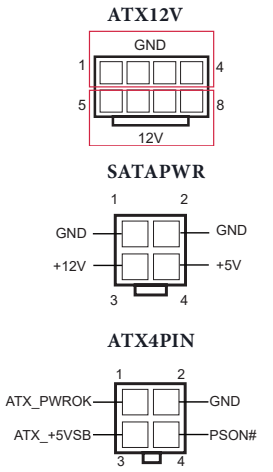
SFP LAN Port



Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No link	Off	No link
Blinking Orange	Data activity	Orange	10Gbps/1Gbps connection
On	Link	Green	25Gbps connection

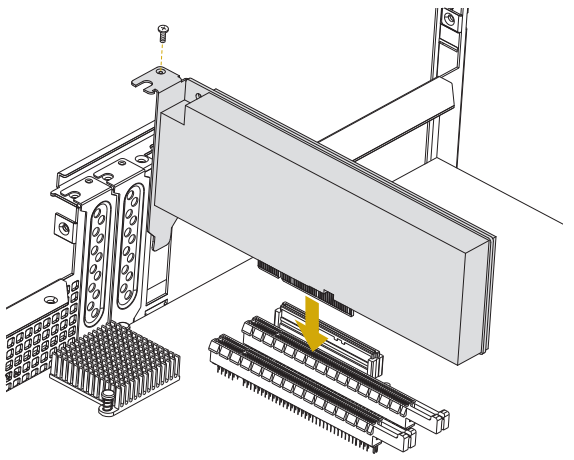
7 Install the Power Cables





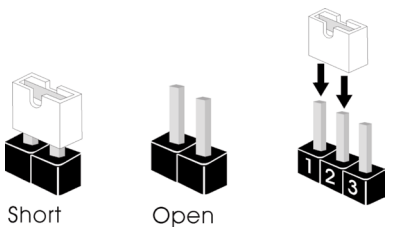
8 Install the PCIE Card

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.*

9 Jumper Cap On/Off

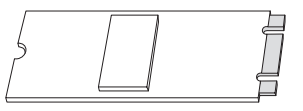


When the jumper cap is placed on the pins, the jumper is “Short”. If no jumper cap is placed on the pins, the jumper is “Open”.

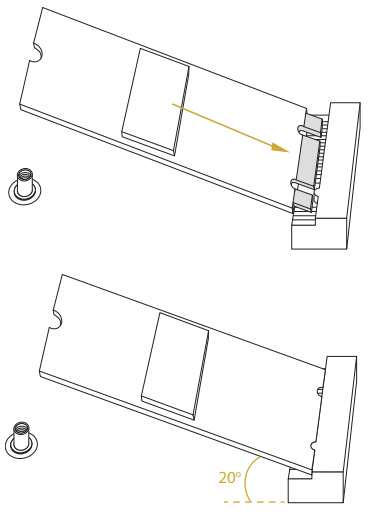
The illustration shows a 3-pin jumper whose pin1 and pin2 are “Short” when a jumper cap is placed on these 2 pins.

10 Install the M.2 SSD Module

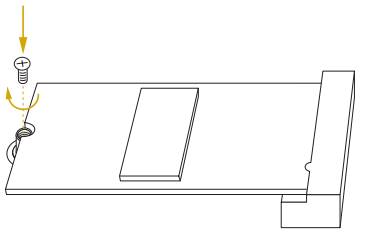
1. Prepare a M.2 SSD module and the screw.



2. 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.

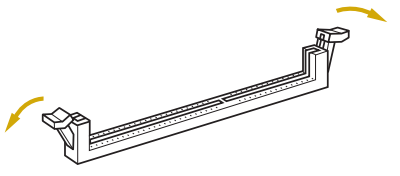


3. Tighten the screw with a screwdriver to secure the module into place. Please do not overtighten the screw.

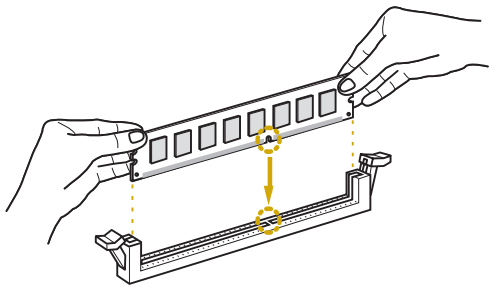
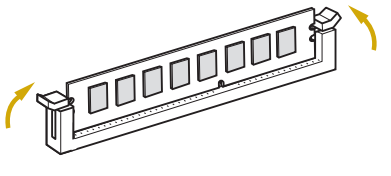


11 Install the Memory

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



2. Insert the memory module.



3. Lock the clips.