P/N: 15G065404000AK V1.0

Quick Installation Guide

W880M WS

ASRock Rack
www.asrockrack.com

W880M WS

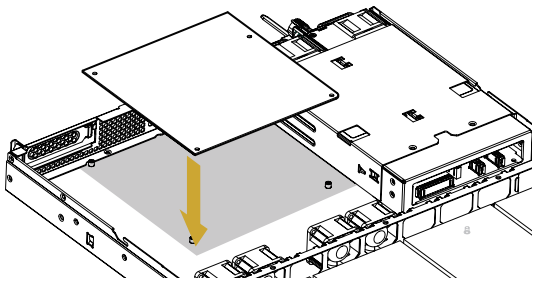
The server board User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

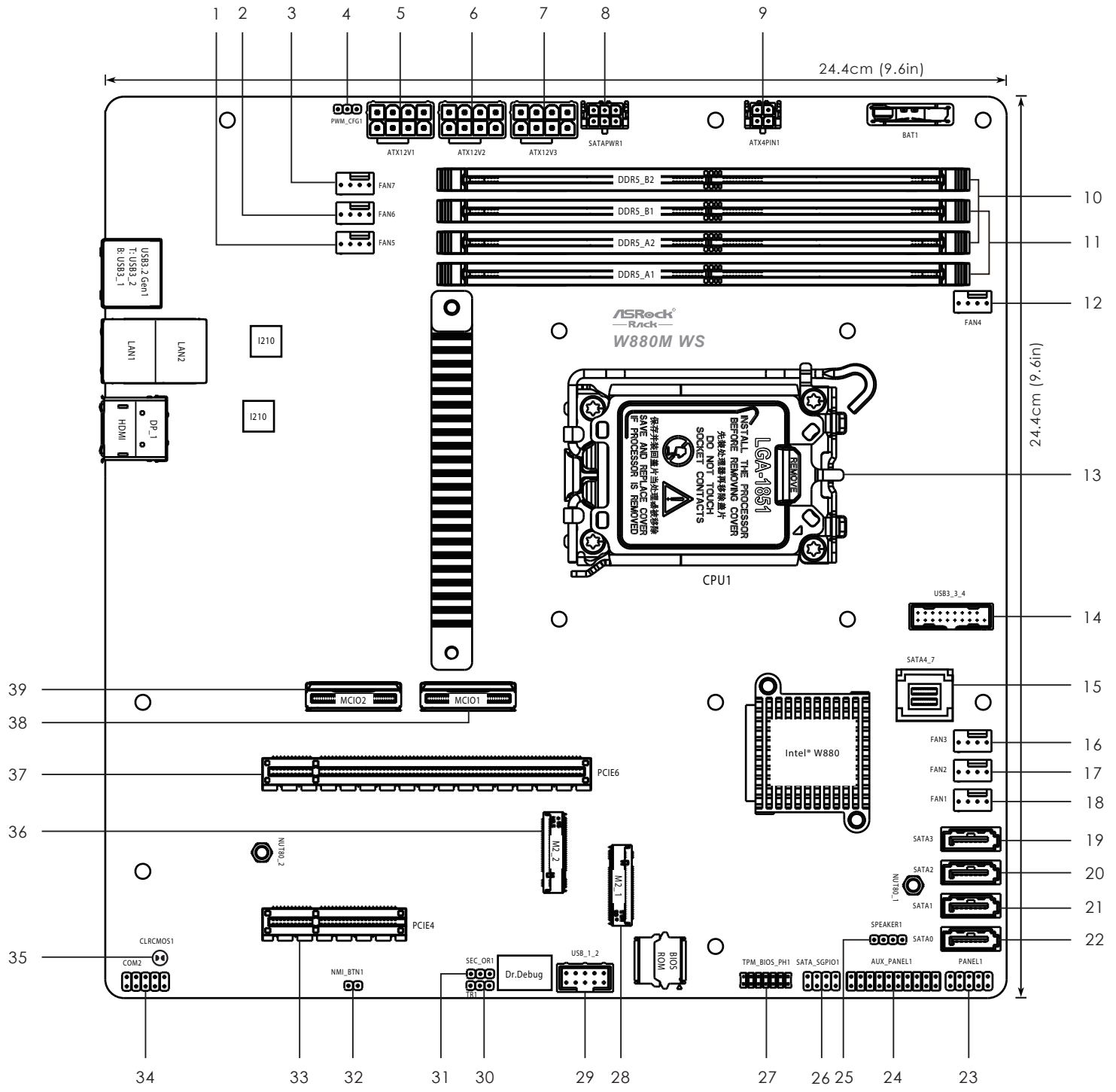
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place the server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before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

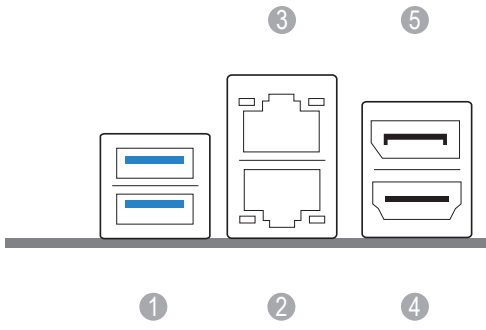


2 Motherboard Layout



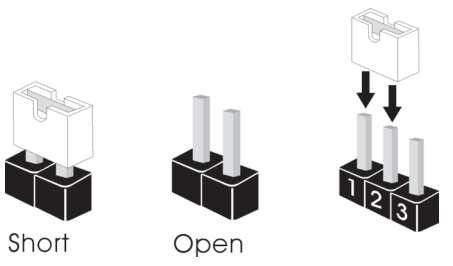
No.	Description
1	System Fan Connector (FAN5)
2	System Fan Connector (FAN6)
3	System Fan Connector (FAN7)
4	PWM Configuration Header (PWM_CFG1)
5	ATX 12V Power Connector (ATX12V1)
6	ATX 12V Power Connector (ATX12V2)
7	ATX 12V Power Connector (ATX12V3)
8	SATA Power Connector (SATAPWR1)
9	Micro-Fit Power Connector (ATX4PIN1)
10	2 x 288-pin DDR5 DIMM Slots (DDR5_B2, DDR5_A2)
11	2 x 288-pin DDR5 DIMM Slots (DDR5_B1, DDR5_A1)
12	System Fan Connector (FAN4)
13	LGA1851 CPU Socket (CPU1)
14	USB 3.2 Gen1 Header (USB3_3_4)
15	MiniSAS HD Connector (SATA4_7)
16	System Fan Connector (FAN3)
17	System Fan Connector (FAN2)
18	System Fan Connector (FAN1)
19	SATA Connector (SATA3)
20	SATA Connector (SATA2)
21	SATA Connector (SATA1)
22	SATA Connector (SATA0)
23	System Panel Header (PANEL1)
24	Auxiliary Panel Header (AUX_PANEL1)
25	Speaker Header (SPEAKER1)
26	Serial General Purpose Input/Output Header (SATA_SGPIO1)
27	SPI TPM Header (TPM_BIOS_PH1)
28	M.2 Socket (M2_1) (Type 2280)
29	USB 2.0 Header (USB_1_2)
30	Thermal Sensor Header (TR1)
31	Security Override Jumper (SEC_OR1)
32	Non Maskable Interrupt Button (NMI_BTN1)
33	PCI Express 5.0 x4 Slot (PCIE4)
34	Serial Port Header (COM2)
35	Clear CMOS Pad (CLRCMOS1)
36	M.2 Socket (M2_2) (Type 2280)
37	PCI Express 5.0 x16 Slot (PCIE6)
38	Mini Cool Edge IO Connector (MCIO1)
39	Mini Cool Edge IO Connector (MCIO2)

3 I/O Panel



No.	Description	No.	Description
1	USB 3.2 Gen1 Ports (USB3_1_2)	4	HDMI Port
2	1G LAN RJ-45 Port (LAN1, shared NIC)	5	Display Port
3	1G LAN RJ-45 Port (LAN2)		

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.

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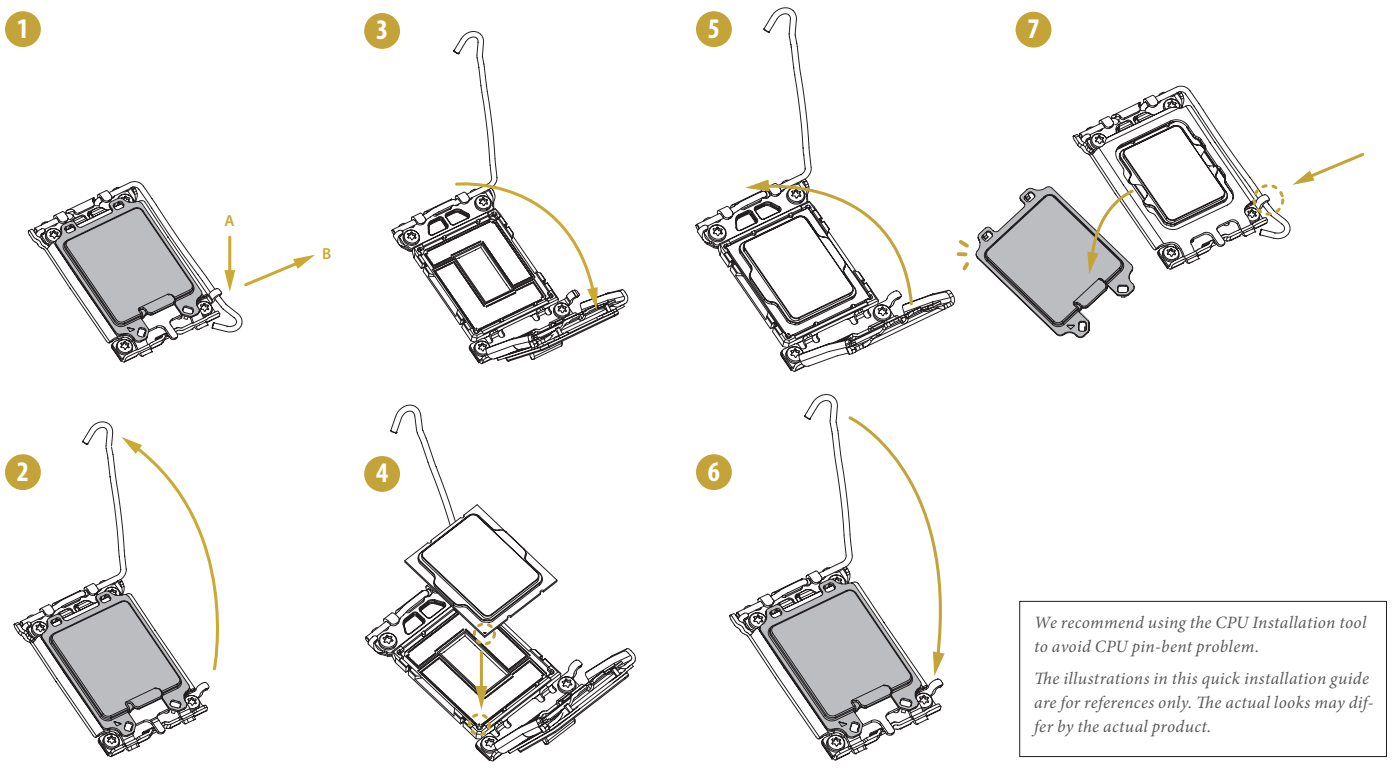
W880M WS

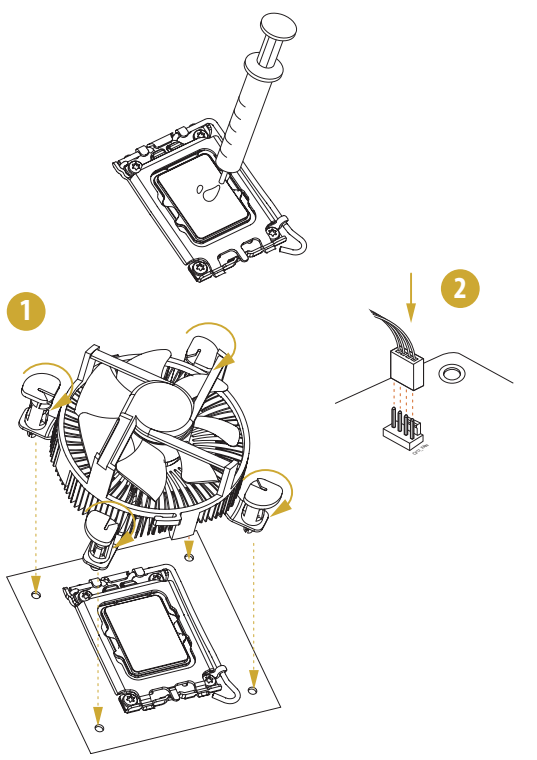
5 Install the Processor



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

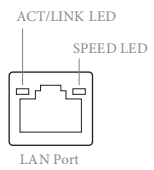
The illustrations in this quick installation guide are for references only. The actual looks may differ by the actual product.

6 Install the CPU Fan and Heatsink



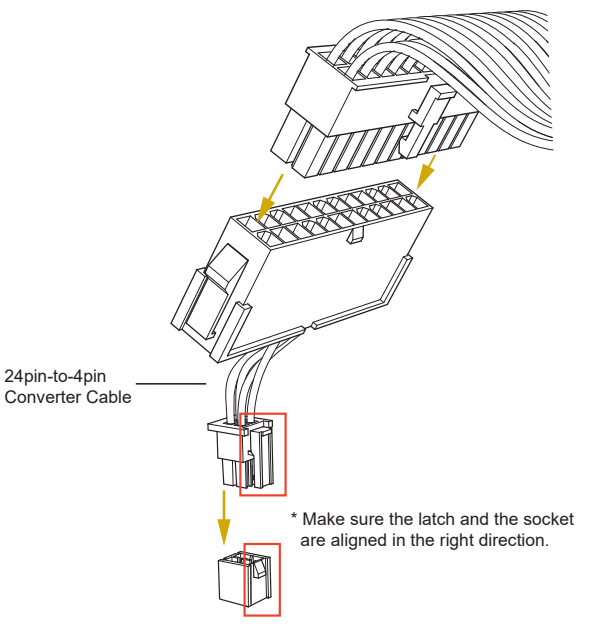
7 LAN Port LED Indications

1G LAN Port

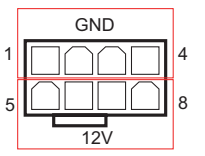


Activity / Link LED		Speed LED	
Status	**Description**	**Status**	**Description**
Off	No Link	Off	10Mbps connection or no link
Blinking Yellow	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

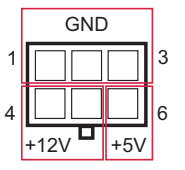
8 Install the Power Cables



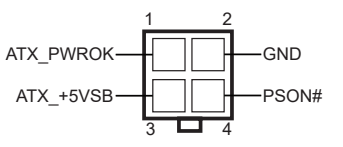
ATX12V



SATAPWR

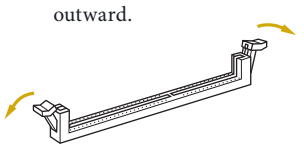


ATX4PIN

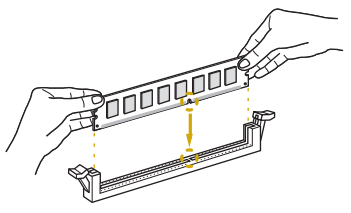


9 Install the Memory

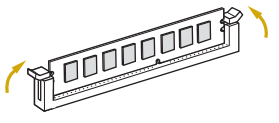
1. Unlock a DIMM slot by pressing the module clips outward.



2. Insert the memory module.

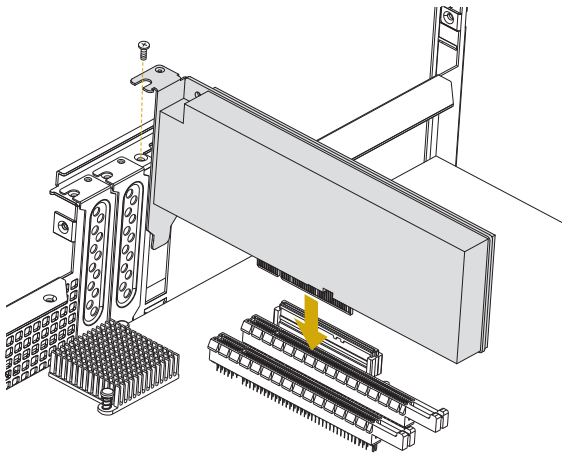


3. Lock the clips.



10 Install the PCIE Card

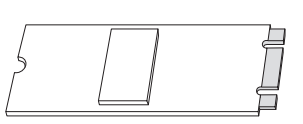
1. Remove the bracket facing the slot that intending to use. Keep the screw for later use.
2. Align the card connector with the slot and press firmly until the card is completely seated on the slot.
3. Fasten the card to the chassis with the screw.



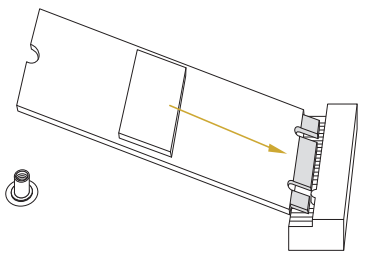
**Images shown are for illustrative purposes only and may differ depending on model.*

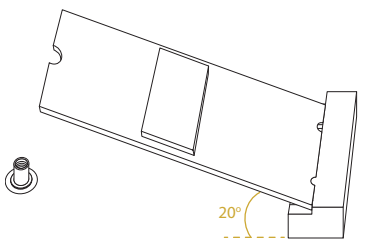
11 Install the M.2 SSD Module

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

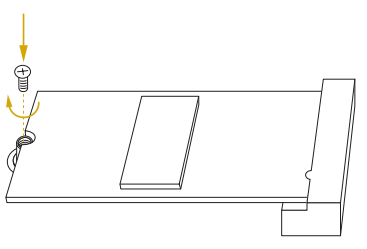


2. Insert the M.2 SSD module into the M.2 slot. Please be aware that the M.2 SSD module only fits in one orientation.



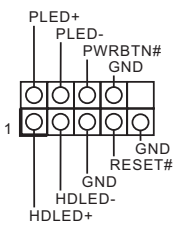
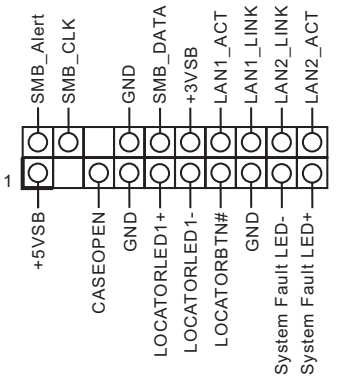


3. Tighten the screw with a screwdriver to secure the module into place. Please do not overtighten the screw.



12 Headers

System Panel



Auxiliary Panel