P/N: 15G065345000AK V1.2

Quick Installation Guide

EC262D4U | EC266D4U | EC262D4U-2L2T | EC266D4U-2L2T

ASRock Rack
www.asrockrack.com

EC262D4U | EC266D4U | EC262D4U-2L2T | EC266D4U-2L2T

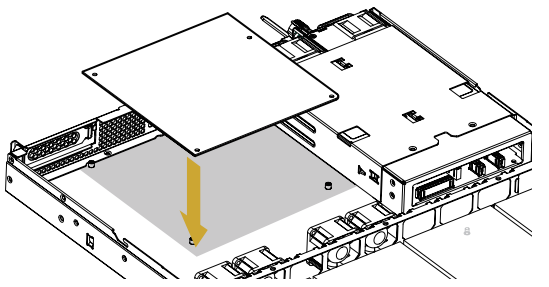
The server board User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

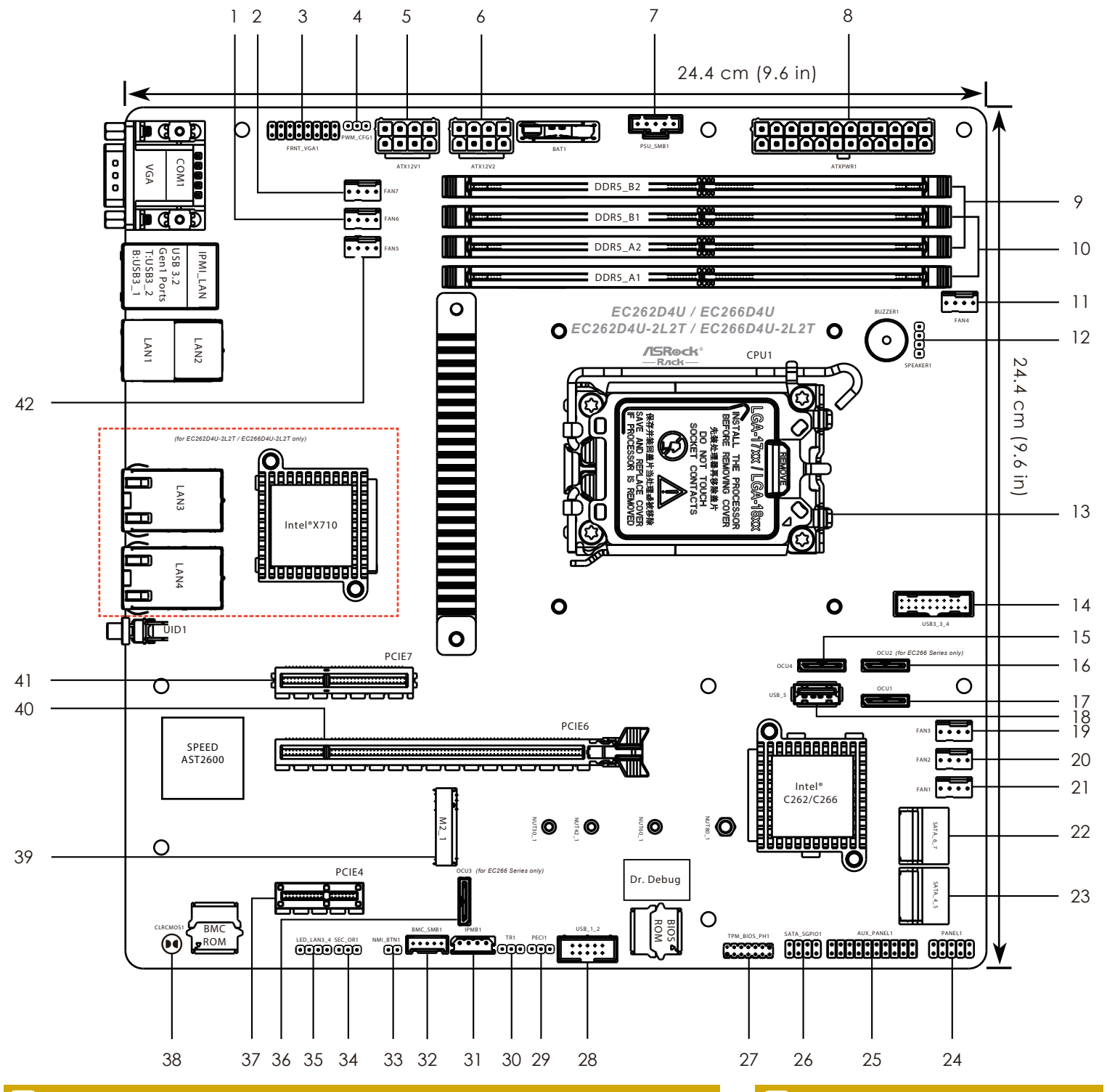
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place the server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before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

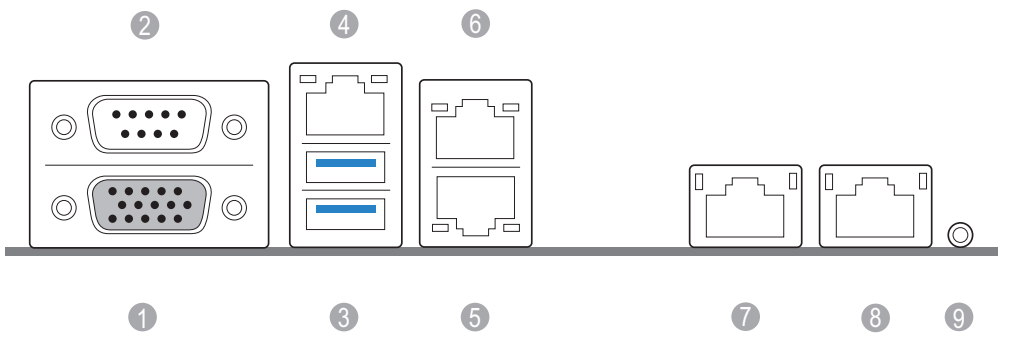


2 Motherboard Layout



No.	Description
1	Chassis Fan Connector (FAN6)
2	Chassis Fan Connector (FAN7)
3	Front VGA Header (FRNT_VGA1)
4	PWM Configuration Header (PWM_CFG1)
5	ATX 12V Power Connector (ATX12V1)
6	ATX 12V Power Connector (ATX12V2)
7	PSU SMBus Header (PSU_SMB1)
8	ATX Power Connector (ATXPWR1)
9	2 x 288-pin DDR5 DIMM Slots (DDR5_A2, DDR5_B2)
10	2 x 288-pin DDR5 DIMM Slots (DDR5_A1, DDR5_B1)
11	Chassis Fan Connector (FAN4)
12	Chassis Speaker Header (SPEAKER1)
13	Single Socket (LGA-1700) (CPU1)
14	USB 3.2 Gen1 Header (USB3_3_4)
15	OCuLink x4 Connector (OCU4)
16	OCuLink x4 Connector (OCU2) *(for EC266 Series only)*
17	OCuLink x4 Connector (OCU1)
18	USB Connector (USB_5)
19	Chassis Fan Connector (FAN3)
20	Chassis Fan Connector (FAN2)
21	Chassis Fan Connector (FAN1)
22	SATA3 Connectors (SATA_7)(Upper), (SATA_6)(Lower)
23	SATA3 Connectors (SATA_5)(Upper), (SATA_4)(Lower)
24	System Panel Header (PANEL1)
25	Auxiliary Panel Header (AUX_PANEL1)
26	SATA SGPIO Connector (SATA_SGPIO1)
27	SPI TPM Header (TPM_BIOS_PH1)
28	USB 2.0 Header (USB_1_2)
29	CPU PECI Mode Jumper (PECI1)
30	Thermal Sensor Header (TR1)
31	Intelligent Platform Management Bus Header (IPMB1)
32	BMC SMBus Header (BMC_SMB1)
33	Non Maskable Interrupt Button (NMI_BTN1)
34	Security Override Jumper (SEC_OR1)
35	Front LAN LED Connector (LED_LAN3_4)
36	OCuLink x4 Connector (OCU3) *(for EC266 Series only)*
37	PCI Express 5.0 x16 Slot (PCIE4)
38	Clear CMOS Pad (CLRMOS1)
39	M.2 Socket (M2_1) (Type 2230/2242/2260/2280)
40	PCI Express 5.0 x16 Slot (PCIE6)
41	PCI Express 4.0 x4 Slot (PCIE7)
42	Chassis Fan Connector (FAN5)

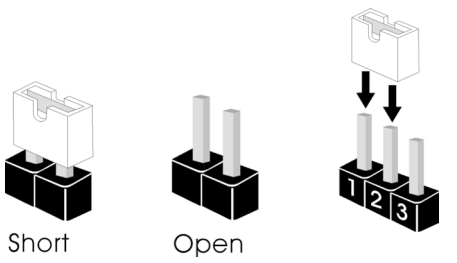
3 I/O Panel



No.	Description	No.	Description
1	VGA Port (VGA)	6	1G LAN RJ-45 Port (LAN2)
2	Serial Port (COM1)	7	10G LAN RJ-45 Port (LAN3)
3	USB 3.2 Gen1 Ports (USB3_1_2)	8	10G LAN RJ-45 Port (LAN4)
4	LAN RJ-45 Port (IPMI_LAN)	9	UID Switch (UID1)
5	1G LAN RJ-45 Port (LAN1, shared NIC)		

** LAN3 and LAN4 are for EC262D4U-2L2T/EC266D4U-2L2T only.*

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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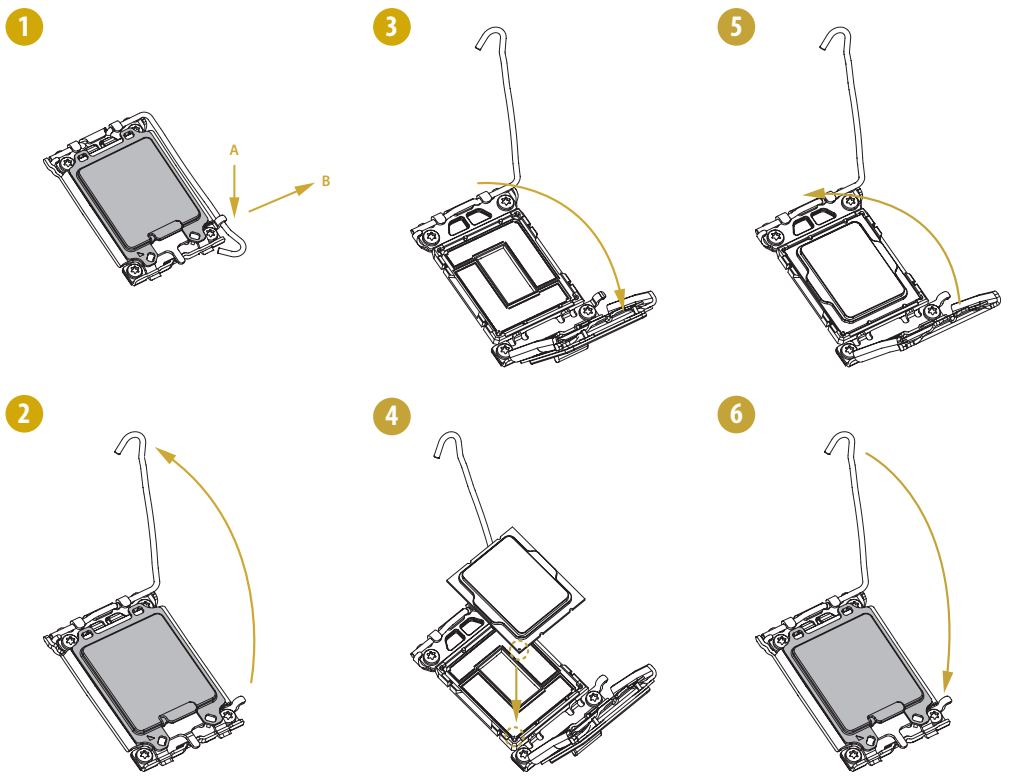
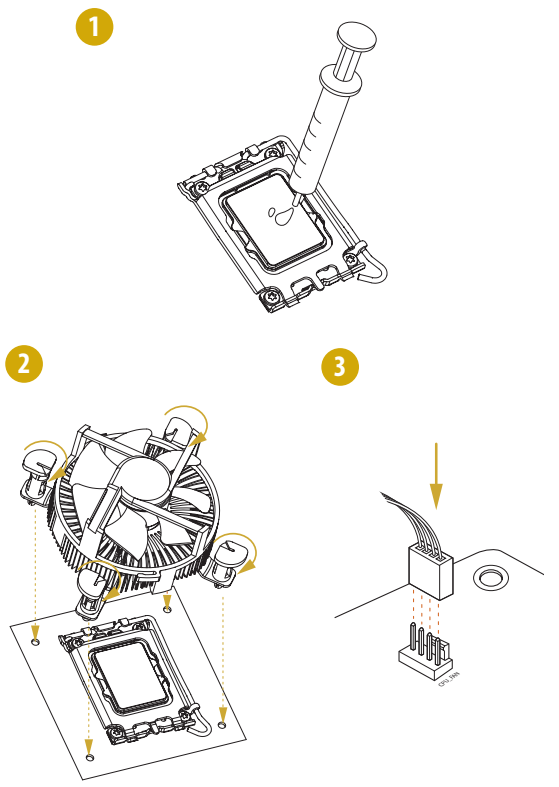
5 Install the Processor



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

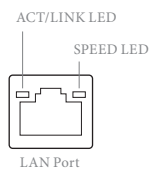
The illustrations in this quick installation guide are for references only. The actual looks may differ by the actual product you use.

6 Install the CPU Fan and Heatsink



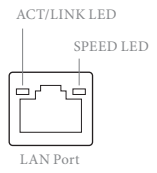
7 LAN Port LED Indications

IPMI LAN Port



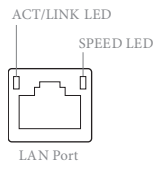
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10M bps connection or no link
Blinking Yellow	Data Activity	Orange	100M bps connection
On	Link	Green	1Gbps connection

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

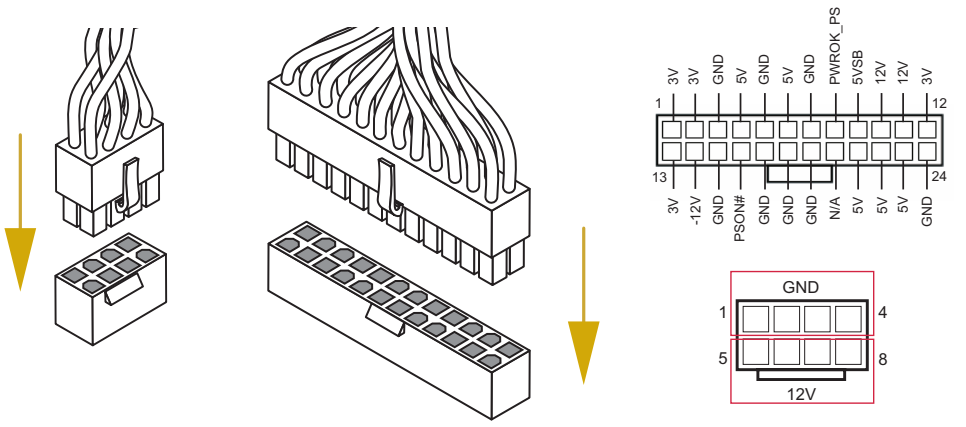
10G LAN Port



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

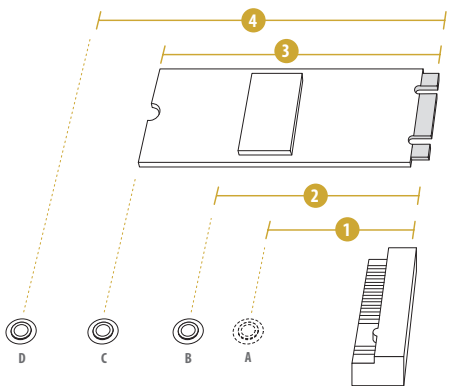
(for EC262D4U-2L2T/EC266D4U-2L2T only)

8 Install the Power Cables



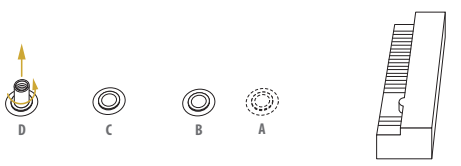
9 Install the M.2 SSD Module

1 Find the corresponding nut location to be used.



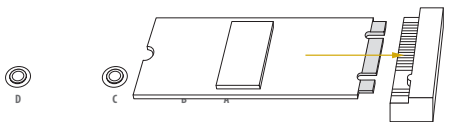
No.	1	2	3	4
Nut Location	A (NUT30_1)	B (NUT42_1)	C (NUT60_1)	D (NUT80_1)
PCB Length	3cm	4.2cm	6cm	8cm
Module Type	Type 2230	Type 2242	Type 2260	Type 2280

2 Move the standoff based on the module type and length.

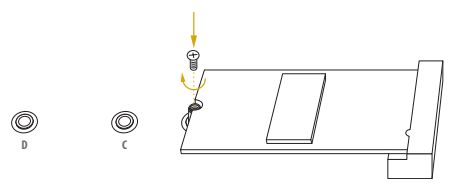


3 Peel off the yellow protective film on the nut. Hand tighten the standoff into the desired location.

4 Align and gently insert the M.2 module into the slot.



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



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.

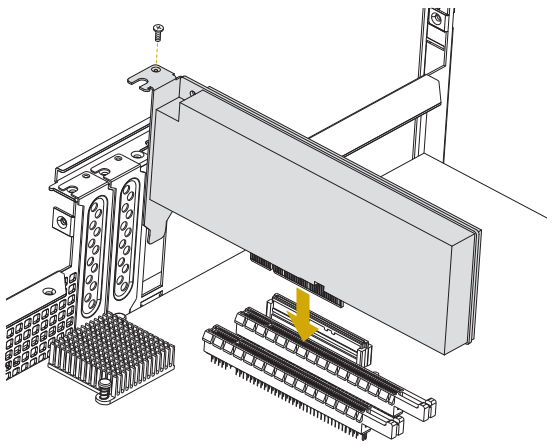


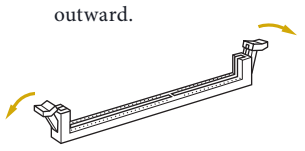
**Image shown is for illustrative purpose only and may differ depending on model.*

PCIE Slots

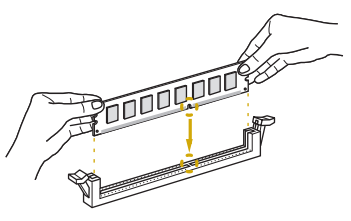
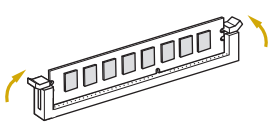
Slot	Generation	Mechanical	Electrical	Source
PCIE 7	4.0	x4	x4	CPU
PCIE 6	5.0	x16	x16	CPU
PCIE 4	4.0	x4	x4	PCH

11 Install the Memory

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



2 Insert the memory module.



3 Lock the clips.