



P/N: 15G065378000AK V1.0

Quick Installation Guide

EC262D4-4L/EC266D4-4L



EC262D4-4L



EC266D4-4L

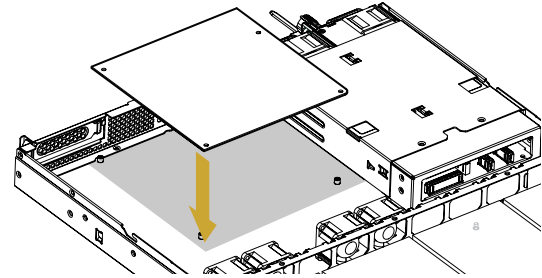
The server board User's Manual is available for download from the ASRock Rack's official website at <http://www.asrockrack.com>.

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

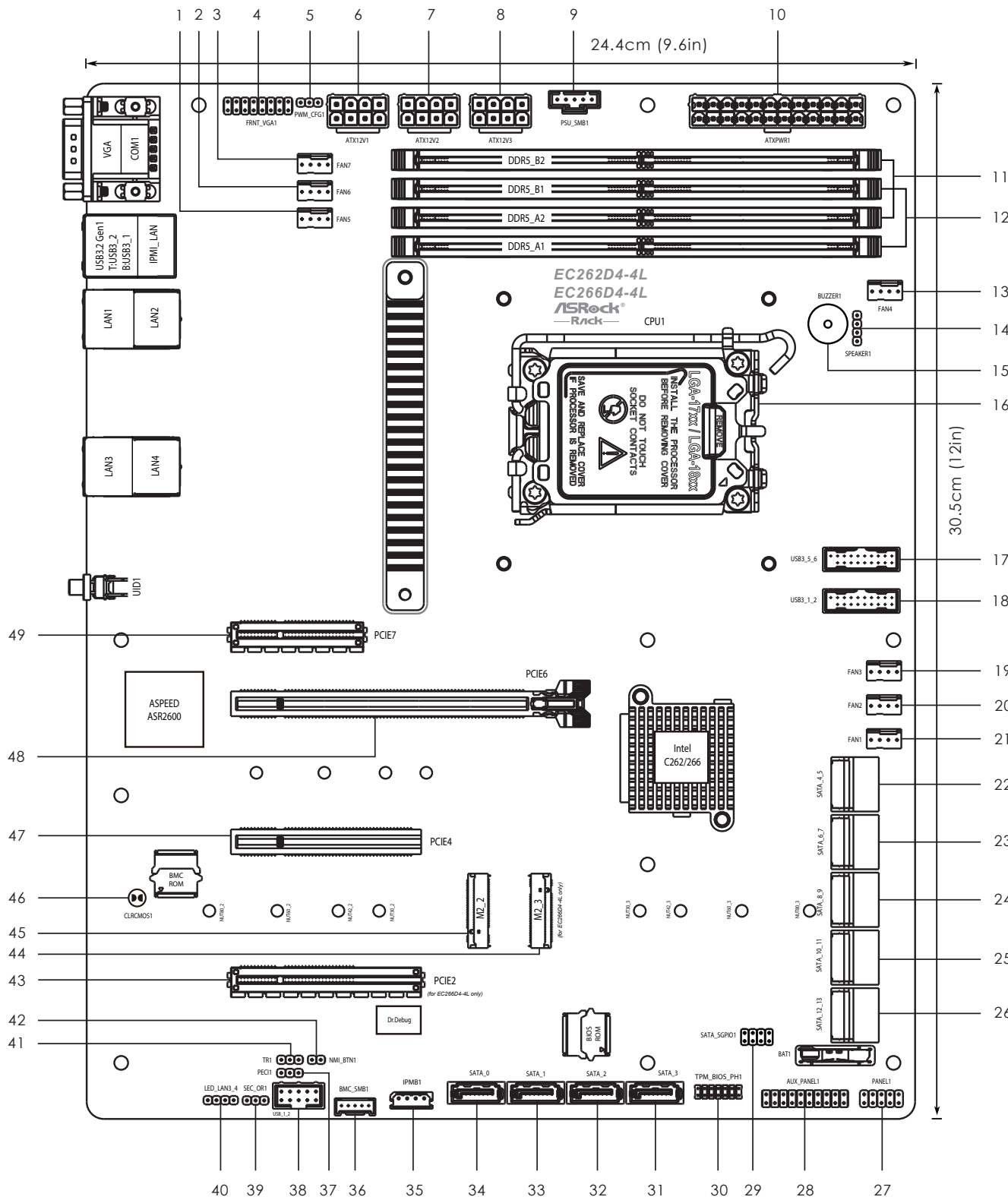
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place the server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before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

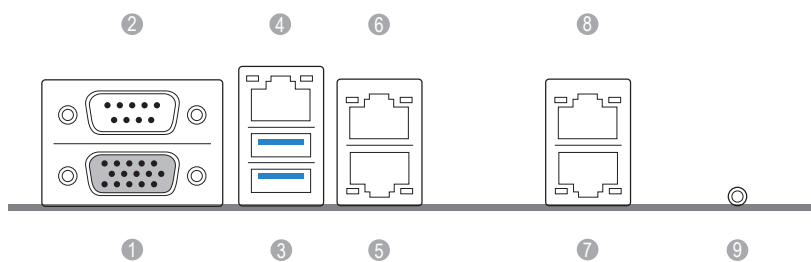


2 Motherboard Layout



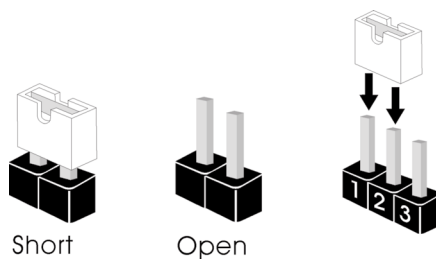
No.	Description
1	Chassis Fan Connector (FAN5)
2	Chassis Fan Connector (FAN6)
3	Chassis Fan Connector (FAN7)
4	Front VGA Header (FRNT_VGA1)
5	PWM Configuration Header (PWM_CFG1)
6	ATX 12V Power Connector (ATX12V1)
7	ATX 12V Power Connector (ATX12V2)
8	ATX 12V Power Connector (ATX12V3)
9	PSU SMBus Header (PSU_SMB1)
10	ATX Power Connector (ATXPWR1)
11	2 x 288-pin DDR5 DIMM Slots (DDR5_A2, DDR5_B2)
12	2 x 288-pin DDR5 DIMM Slots (DDR5_A1, DDR5_B1)
13	Chassis Fan Connector (FAN4)
14	Chassis Speaker Header (SPEAKER1)
15	BUZZER1
16	LGA1700 CPU Socket (CPU1)
17	USB 3.2 Gen1 Header (USB3_5_6)
18	USB 3.2 Gen1 Header (USB3_1_2)
19	Chassis Fan Connector (FAN3)
20	Chassis Fan Connector (FAN2)
21	Chassis Fan Connector (FAN1)
22	SATA3 Connectors (SATA_4)(Lower), (SATA_5)(Upper)
23	SATA3 Connectors (SATA_6)(Lower), (SATA_7)(Upper)
24	SATA3 Connectors (SATA_8)(Lower), (SATA_9)(Upper)
25	SATA3 Connectors (SATA_10)(Lower), (SATA_11)(Upper)
26	SATA3 Connectors (SATA_12)(Lower), (SATA_13)(Upper)
27	System Panel Header (PANEL1)
28	Auxiliary Panel Header (AUX_PANEL1)
29	SATA SGPIO Connector (SATA_SGPIO1)
30	SPI TPM Header (TPM_BIOS_PH1)
31	SATA3 Connector (SATA_3)
32	SATA3 Connector (SATA_2)
33	SATA3 Connector (SATA_1)
34	SATA3 Connector (SATA_0)
35	Intelligent Platform Management Bus Header (IPMB1)
36	BMC SMBus Header (BMC_SMB1)
37	CPU PECI Mode Jumper (PECI1)
38	USB 2.0 Header (USB_1_2)
39	Security Override Jumper (SEC_OR1)
40	Front LAN LED Connector (LED_LAN3_4)
41	Thermal Sensor Header (TR1)
42	Non Maskable Interrupt Button (NMI_BTN1)
43	PCI Express 4.0 x4 Slot (PCIE2) <i>(for EC266D4-4L only)</i>
44	M.2 Socket (M2_3) (Type 2230/2242/2260/2280) <i>(for EC266D4-4L only)</i>
45	M.2 Socket (M2_2) (Type 2230/2242/2260/2280)
46	Clear CMOS Pad (CLRCMOS1)
47	PCI Express 5.0 x8 Slot (PCIE4)
48	PCI Express 5.0 x16/x8 Slot (PCIE6)
49	PCI Express 4.0 x4 Slot (PCIE7)

3 I/O Panel



No.	Description	No.	Description
1	VGA Port (VGA)	6	1G LAN RJ-45 Port (LAN2)
2	Serial Port (COM1)	7	1G LAN RJ-45 Port (LAN3)
3	USB 3.2 Gen1 Ports (USB3_3_4)	8	1G 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)		

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.

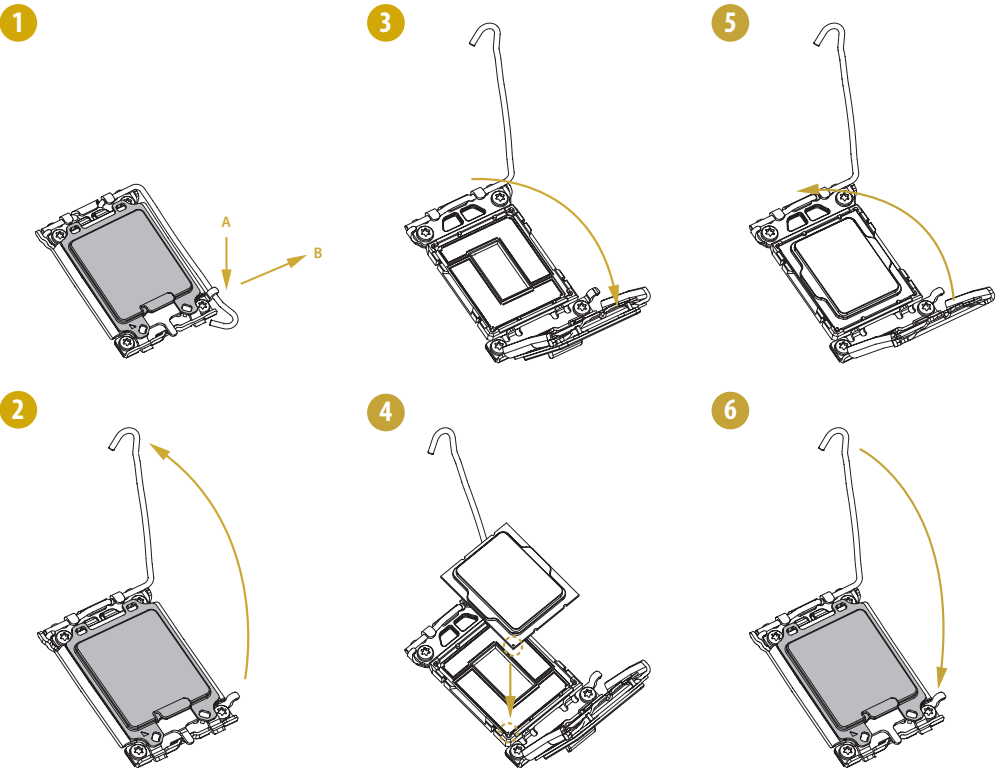


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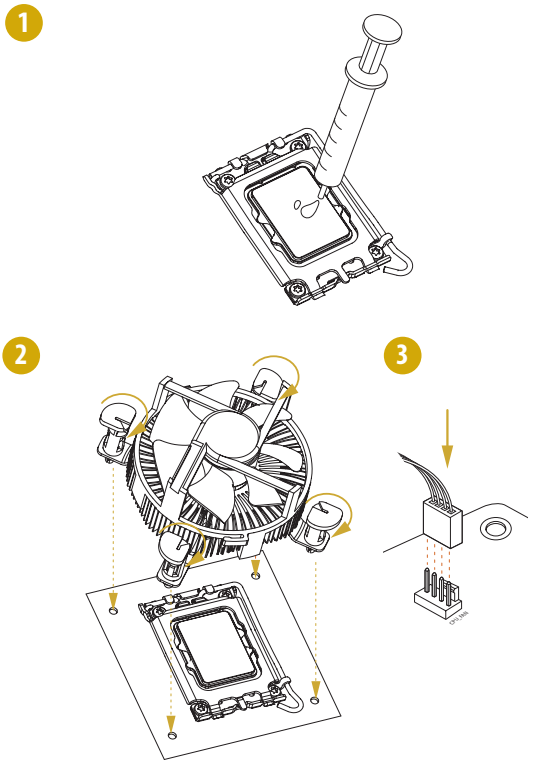


EC266D4-4L

5 Install the Processor



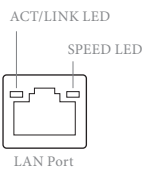
6 Install the CPU Fan and Heatsink



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.

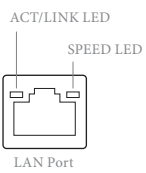
7 LAN Port LED Indications

IPMI LAN Port



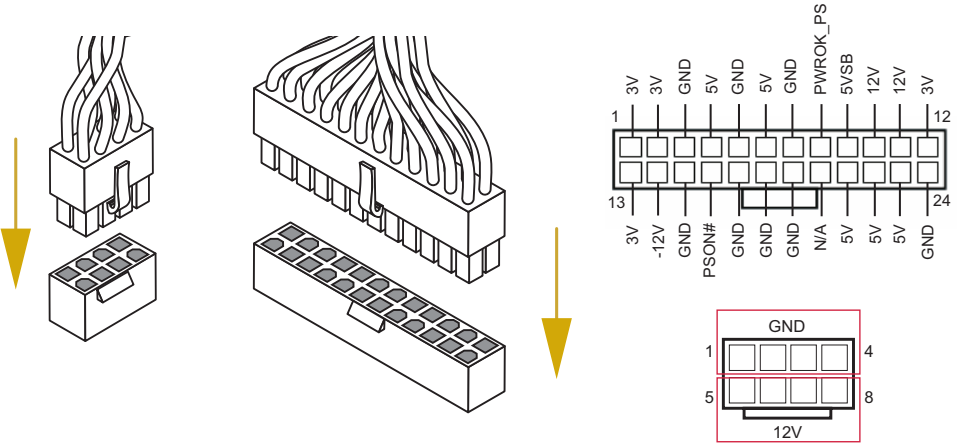
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10M bps connection or no link
Blinking Yellow	Data Activity	Orange	100M bps connection
On	Link	Green	1Gbps connection

1G LAN Port

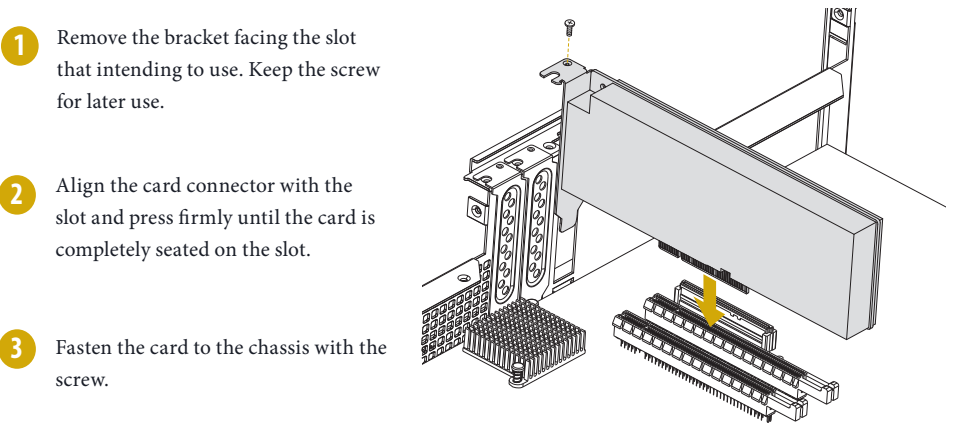


Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection or no link
Blinking Yellow	Data Activity	Orange	100Mbps connection
On	Link	Green	1Gbps connection

8 Install the Power Cables



9 Install the PCIE Card



PCIE Slots:

Slot	Generation	Mechanical	Electrical	Source
PCIE 7	4.0	x4	x4	CPU
PCIE 6	5.0	x8/x16	x16/x8	CPU
PCIE 4	5.0	x8	x8	CPU
PCIE 2	4.0	x8	x4	PCH

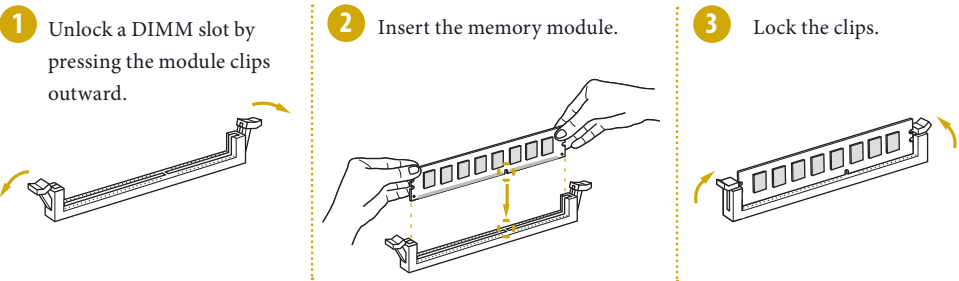
(for EC266D4-4L only)

* SLOT6 share lanes with SLOT4. SLOT6 will switch to x8 when SLOT4 is populated.

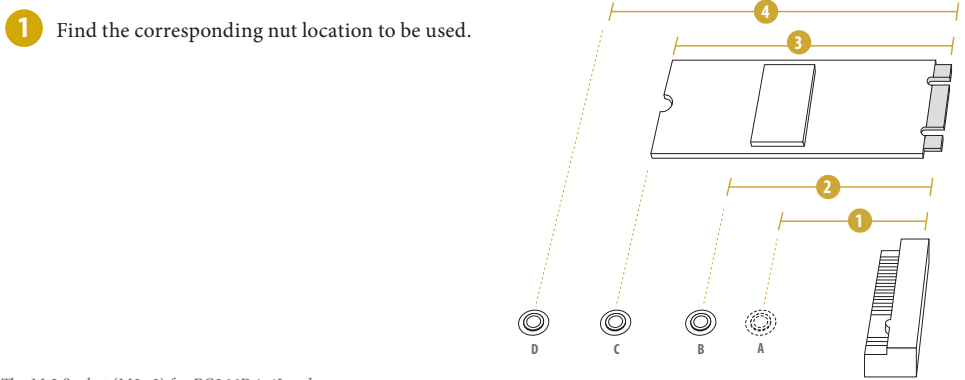
PCI Express Slot Configuration:

	PCIE 4	PCIE6
Single PCIE Card	x0	x16
Two PCIE Cards	x8	x8

11 Install the Memory



10 Install the M.2 SSD Module



*The M.2 Socket (M2_3) for EC266D4-4L only.

No.	1	2	3	4
Nut Location	A (NUT30_2/3)	B (NUT42_2/3)	C (NUT60_2/3)	D (NUT80_2/3)
PCB Length	3cm	4.2cm	6cm	8cm
Module Type	Type 2230	Type 2242	Type 2260	Type 2280

