P/N: 15G065305000AK V1.0

Quick Installation Guide

EC262D4U2-2Q/E810 | EC262D4U2-2L2Q/E810 | EC266D4U2-2L2Q/E810

www.asrockrack.com

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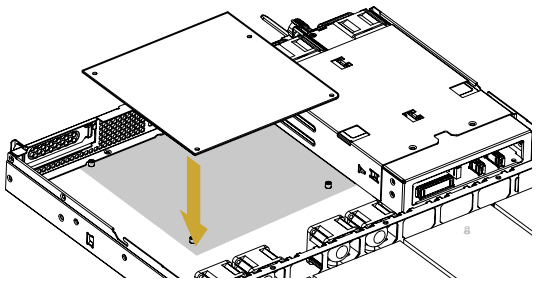
The server board User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

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

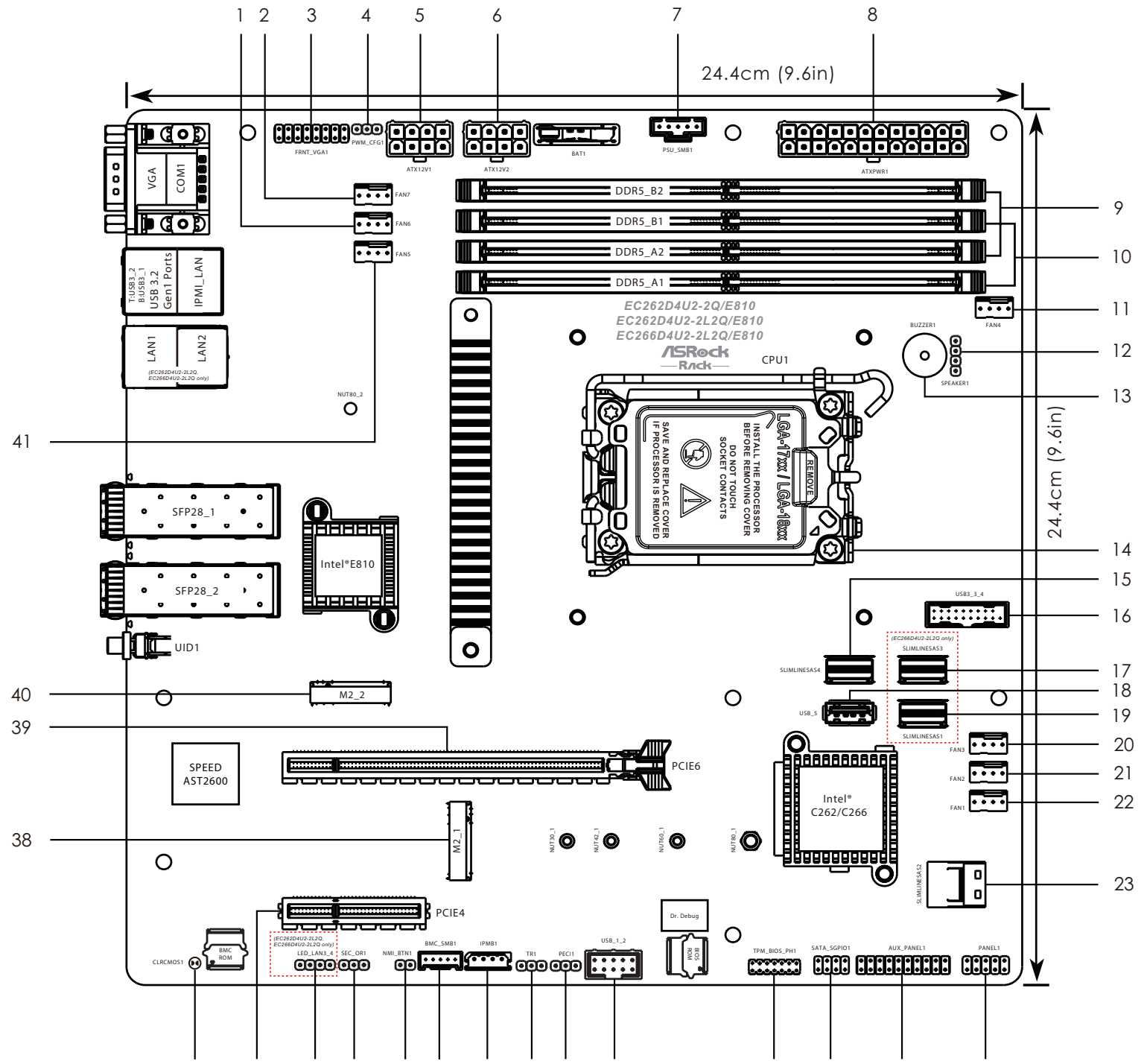
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place the server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before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

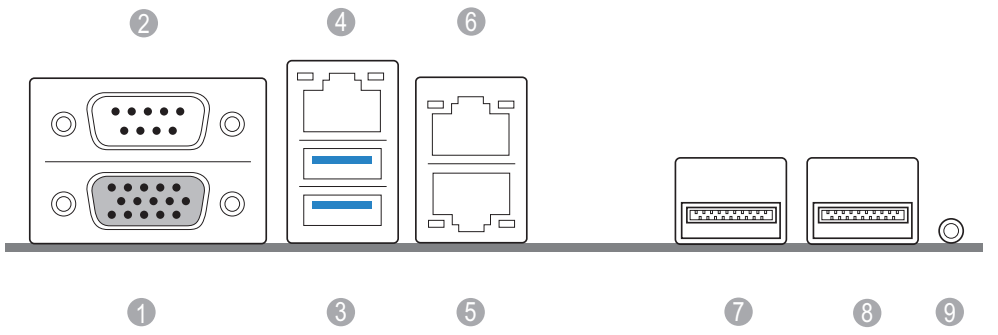


2 Motherboard Layout



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	BUZZER (BUZZER1)
14	Single Socket (LGA-1700) (CPU1)
15	Slimline SAS PCIE4.0 x4 Connector (SLIMLINESAS4)
16	USB 3.2 Gen1 Header (USB3_3_4)
17	Slimline SAS PCIE4.0 x4 Connector (SLIMLINESAS3) *(EC266D4U2-2L2Q/E810 only)*
18	USB Connector (USB_5)
19	Slimline SAS PCIE4.0 x4 Connector (SLIMLINESAS1) *(EC266D4U2-2L2Q/E810 only)*
20	Chassis Fan Connector (FAN3)
21	Chassis Fan Connector (FAN2)
22	Chassis Fan Connector (FAN1)
23	Slimline SAS PCIe3.0 x4 or 4 SATA 6Gb/s Connector (SLIMLINESAS2)
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) *(EC262D4U2-2L2Q/E810, EC266D4U2-2L2Q/E810 only)*
36	PCI Express 4.0 x4 Slot (PCIE4)
37	Clear CMOS Pad (CLRMOS1)
38	M.2 Socket (M2_1) (Type 2230/2242/2260/2280)
39	PCI Express 5.0 x16 Slot (PCIE6)
40	M.2 Socket (M2_2) (Type 2280) *(BOM option with E810)*
41	Chassis Fan Connector (FAN5)

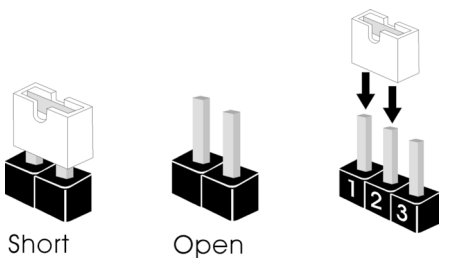
3 I/O Panel



No.	Description	No.	Description
1	VGA Port (VGA)	6	1G LAN RJ-45 Port (LAN2)
2	Serial Port (COM1)	7	25G SFP28 (Fiber) (SFP28_1, share NIC)
3	USB 3.2 Gen1 Ports (USB3_1_2)	8	25G SFP28 (Fiber) (SFP28_2)
4	LAN RJ-45 Port (IPMI_LAN)	9	UID Switch (UID1)
5	1G LAN RJ-45 Port (LAN1, shared NIC))		

** EC262D4U2-2Q/E810 does not support LAN1/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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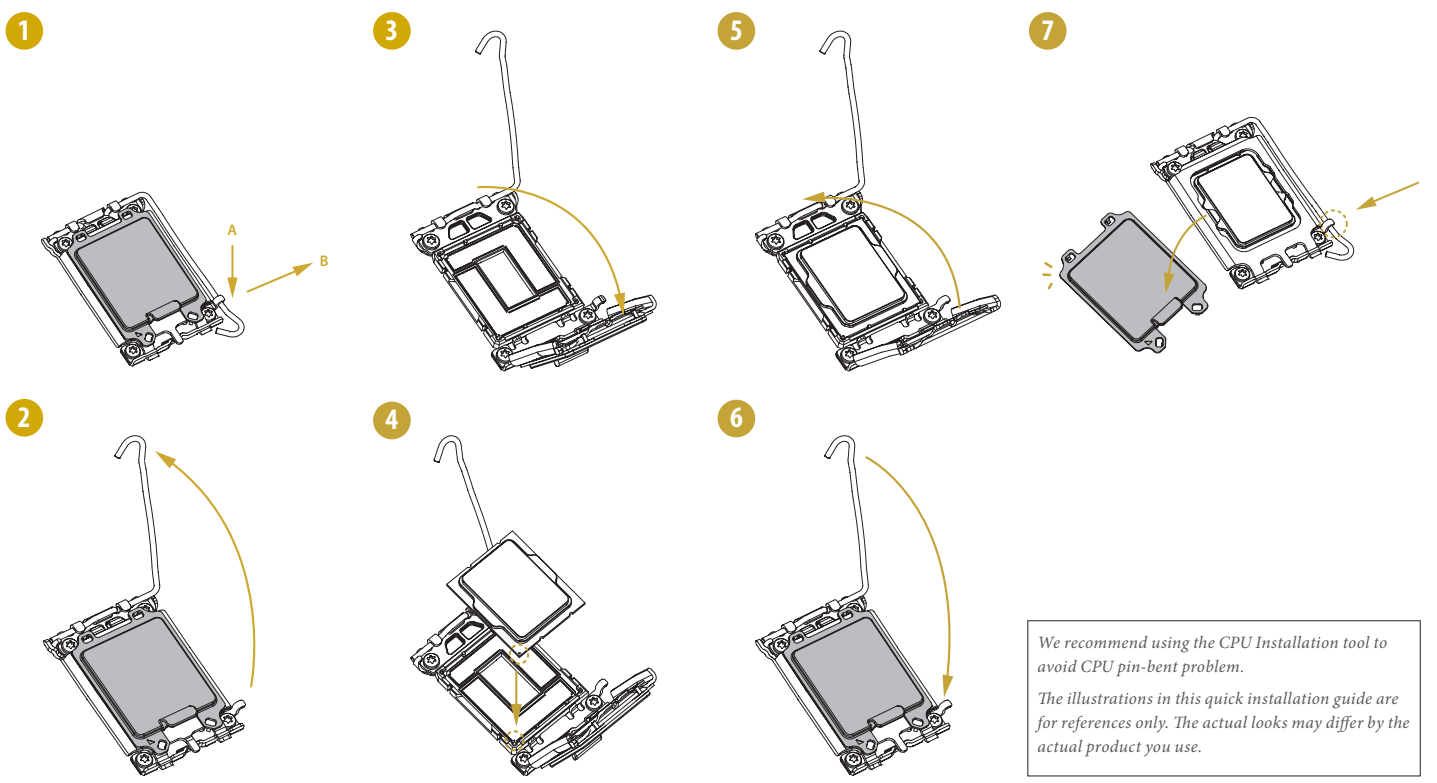
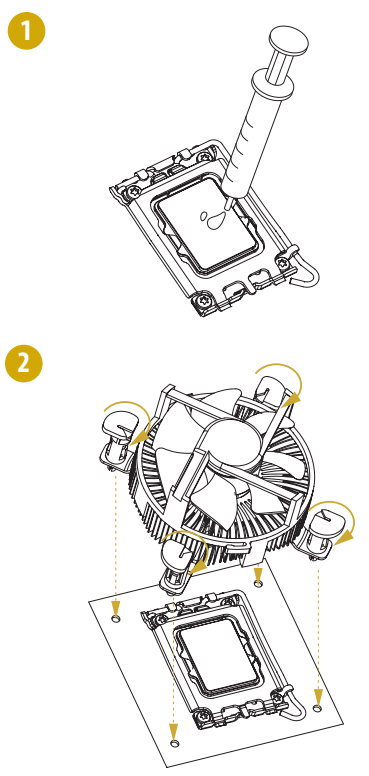
5 Install the Processor



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

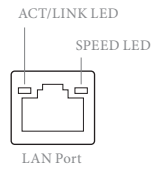
The illustrations in this quick installation guide are for references only. The actual looks may differ by the actual product you use.

6 Install the CPU Fan and Heatsink



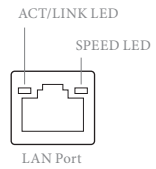
7 LAN Port LED Indications

IPMI LAN Port



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

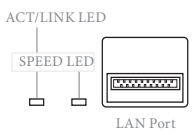
1G LAN Port



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

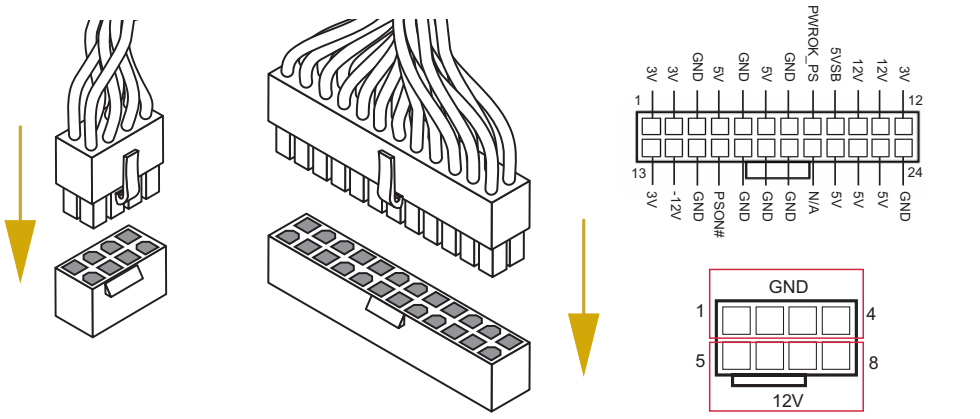
** EC262D4U2-2Q/E810 does not support 1G LAN Port.*

SFP LAN Port



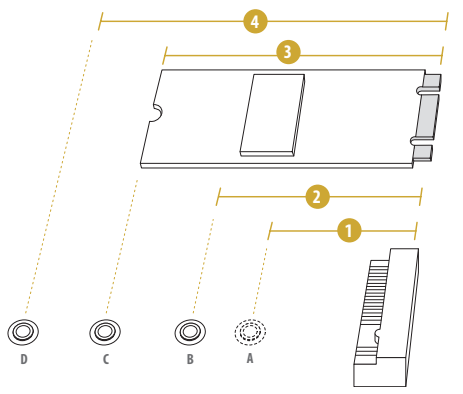
Activity / Link LED		Speed LED	
Status	Description	Status	Description
Off	No Link	Off	1Gbps connection or no link
Blinking Yellow	Data Activity	Red/Orange	10Gbps connection
On	Link	Green	25Gbps connection

8 Install the Power Cables



9 M.2 SSD Module Installation

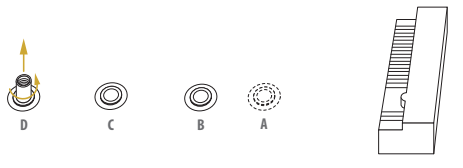
1 Find the corresponding nut location to be used.



**M2_2 supports type 2280 only. (BOM option with E810)*

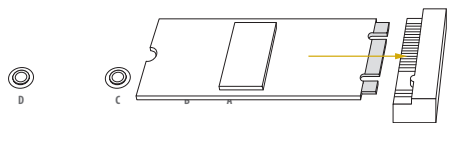
No.	1	2	3	4
Nut Location	A (NUT30_1)	B (NUT42_1)	C (NUT60_1)	D (NUT80_1)
PCB Length	3cm	4.2cm	6cm	8cm
Module Type	Type 2230	Type 2242	Type 2260	Type 2280

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

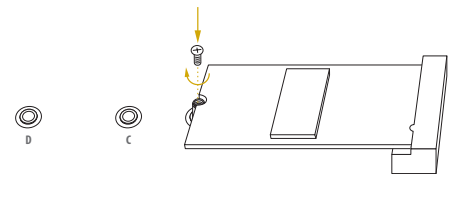


3 Peel off the yellow protective film on the nut. Hand tighten the standoff into the desired location.

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.

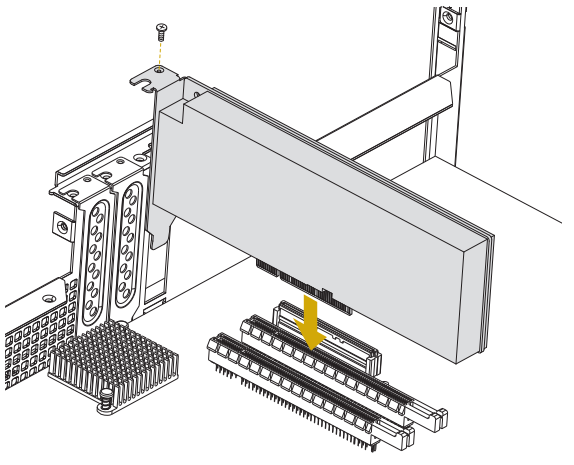


10 Install the PCIE Card

1 Remove the bracket facing the slot that you intend 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.

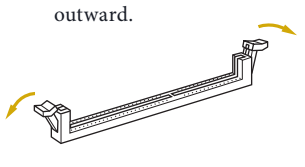


PCIE Slots

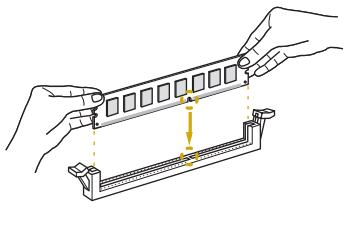
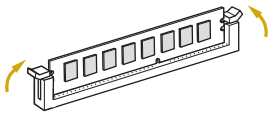
Slot	Generation	Mechanical	Electrical	Source
PCIE 4	4.0	x4	x4	PCH
PCIE 6	5.0	x16	x16	CPU

11 Install the Memory

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



2 Insert the memory module.



3 Lock the clips.