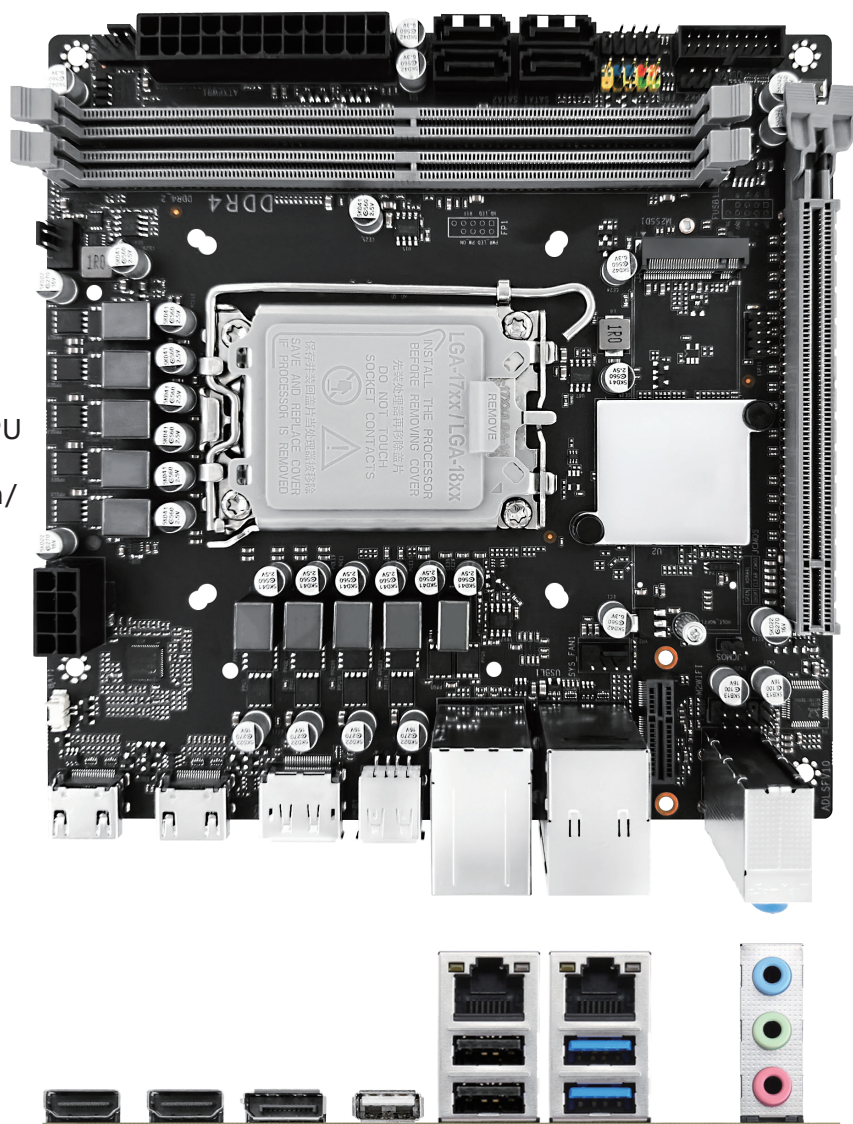


ZA-H610iD4 Motherboard

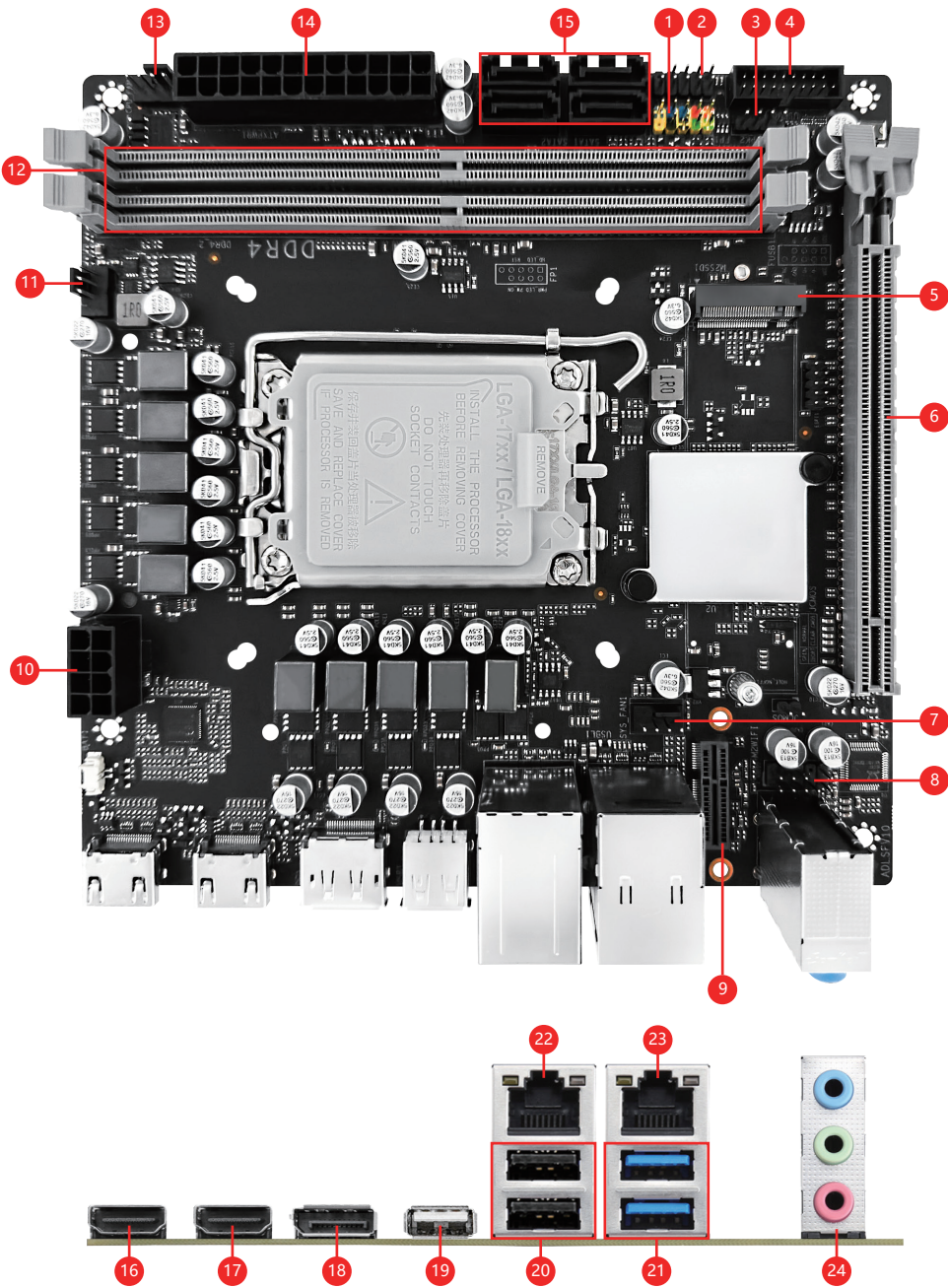
Product characteristics:

- 12/13/14Generation Intel® Core™ i3/i5/i7/i9 CPU
- Support 9*USB (2*USB2.0 Pin/2*USB3.0 Pin/
3*USB2.0 interface/2*USB3.0 interface)
- Support 2*LAN
(LAN1: Intel I219V; 1Gbps/
100Mbps Ethernet Controller)
(LAN2: Realtek 8125BG; 2.5Gbps/
1Gbps/100Mbps Ethernet Controller)



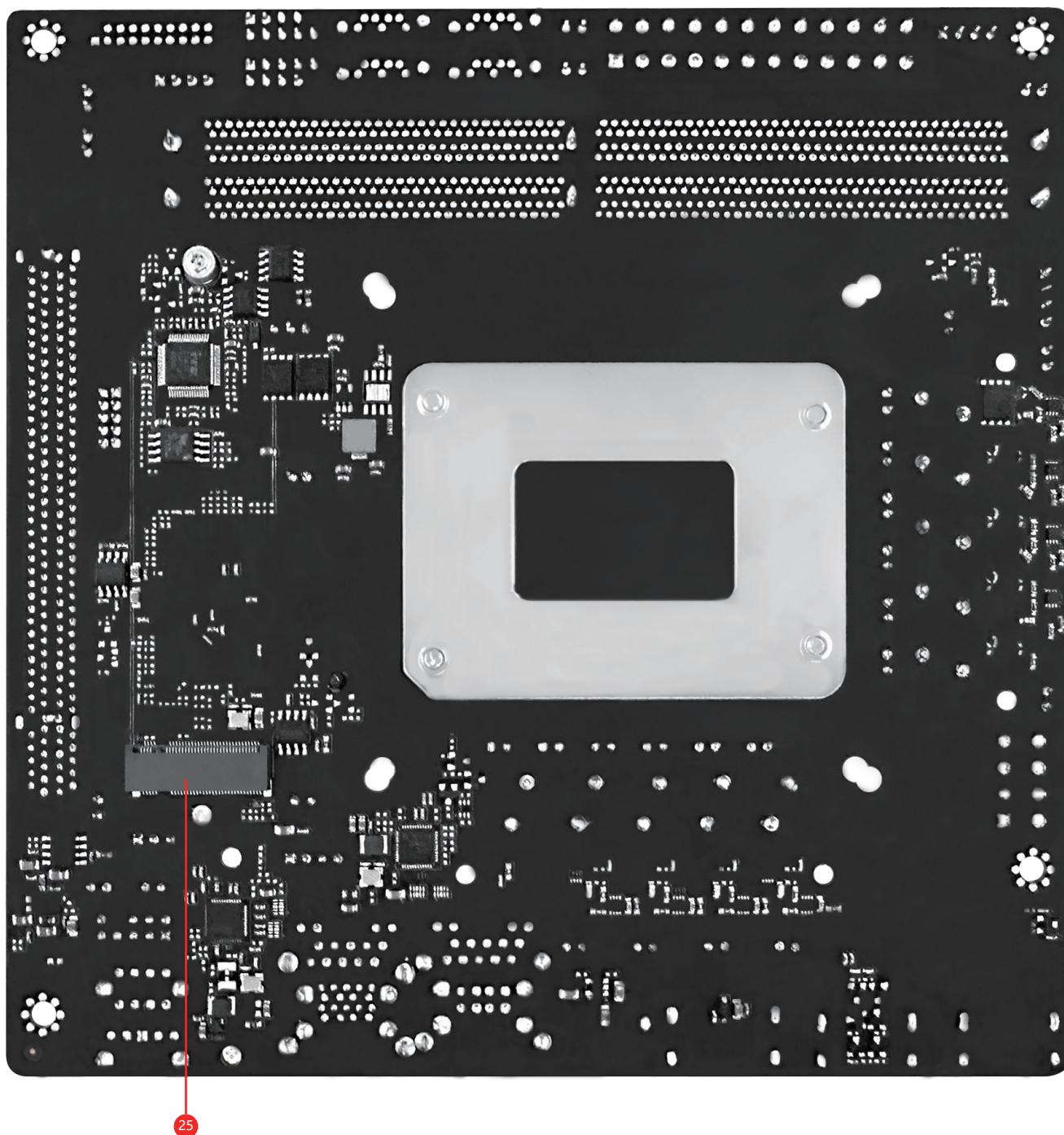
ZA-H610iD4 Motherboard Specifications

Size	170mm*170mm
CPU	12/13/14Generation Intel®Core™ i3/i5/i7/i9 CPU
RAM	Support 2*UDIMM-DDR4, Maximum support 128GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 1*FUSB1 Pin(Support 2*USB2.0 interface) 1*SPK1 Pin 1*USB30_F1 Pin(Support2*USB3.0 interface) 1*SYS_FAN Pin 1*F_AUDIO Pin 1*8Pin Power outlet 2*CPU_FAN Pin(1/2) 1*24Pin Power outlet 4*SATA Data interface(1-4)
Rear I/O	2*HDMI interface 1*DP interface 3*USB2.0 interface 2*USB3.0 interface 2*LAN interface 3*AUDIO interface (1*LINE IN、1*LINE OUT、1*MIC)
LAN	1*Intel I219V; 1Gbps/100Mbps Ethernet Controller 1*Realtek 8125BG; 2.5G/1000Mbps/100Mbps Ethernet Controller
Expansion slot	2*M.2 SSD slot(1*PCIE3.0 X4 NVME/1*PCIE3.0 X2) 1*MINI PCIE WIFI slot(Entire Agreement)/1*PCIE4.0 X16 slot
Operating System	Windows10/11, Linux



1	Front panel Pin
2	FUSB1 Pin
3	SPK1 Pin
4	USB30_F1 Pin
5	M.2 SSD1 slot
6	PCIEX16 slot
7	SYS_FAN Pin
8	F_AUDIO Pin
9	MINI PCIE WIFI slot
10	8Pin Power outlet
11	CPU_FAN2 Pin
12	DDR4 slot
13	CPU_FAN1 Pin
14	24Pin Power outlet
15	SATA Data interface
16	HDMI interface
17	HDMI interface
18	DP interface
19	USB2.0 interface
20	USB2.0 interface
21	USB3.0 interface

22	LAN1 interface(1G)	24	AUDIO interface (1*LINE IN、1*LINE OUT、1*MIC)
23	LAN2 interface(2.5G)		



25	M.2 SSD2 slot
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ZA-H610iD4 Mainboard Definition

(1) Front panel Pin

Location	Pin	Definition	Pin	Definition
FP1 (2.54mm)	1	3.3V	2	Power LED
	3	Hard Disk Drive LED	4	GND
	5	Reset Switch	6	Power Switch
	7	GND	8	GND
	9	NC		

(2) FUSB Pin

Location	Pin	Definition	Pin	Definition
FUSB1 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	USB_PN4	4	USB_PN5
	5	USB_PP4	6	USB_PP5
	7	GND	8	GND
	9	NC	10	GND

(3) SPK1 Pin

Location	Pin	Definition
SPK1	1	SPKOUT_L-
	2	SPKOUT_L+
	3	SPKOUT_R-
	4	SPKOUT_R+

(4) USB30_F1 Pin

Location	Pin	Definition	Pin	Definition
USB30_F1	2		1	VBUS
	4	VBUS	3	SSRX1-
	6	SSRX2-	5	SSRX1+
	8	SSRX2+	7	GND
	10	GND	9	SSTX1-
	12	SSTX2-	11	SSTX1+
	14	SSTX2+	13	GND
	16	GND	15	D1-
	18	D2-	17	D1+
	20	D2+	19	NC

(7) SYS_FAN Pin

Location	Pin	Definition
SYS_FAN	1	GND
	2	+12V
	3	FAN_TAC22
	4	FAN_CTL22

(8) F_AUDIO Pin

Location	Pin	Definition	Pin	Definition
AUDIO (2.54mm)	1	MIC1_L	2	GND
	3	MIC1_R	4	NC
	5	LINEOUT_R	6	MIC1_JD
	7	GND	8	
	9	LINEOUT_L	10	LINEOUT_JD

(11/13) CPU_FAN Pin

Location	Pin	Definition
CPU_FAN1	1	GND
	2	+12V
	3	FAN_TAC
	4	FAN_CTL