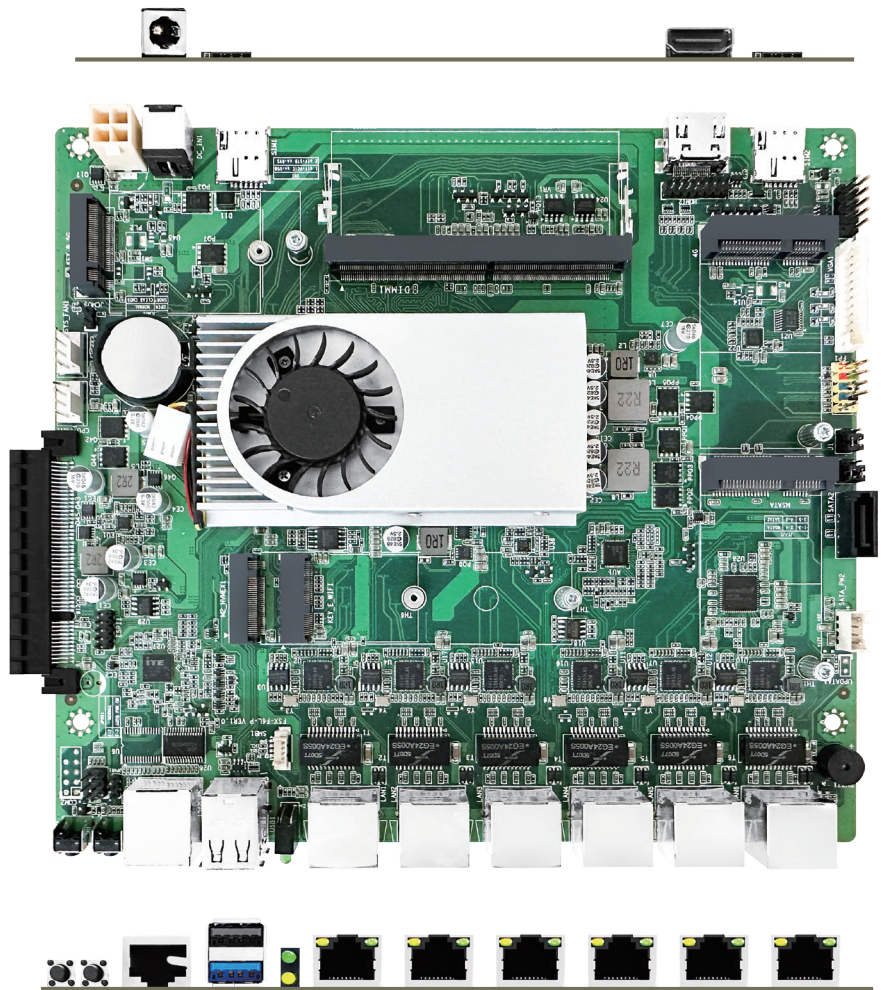


ZA-N150L6D Mainboard

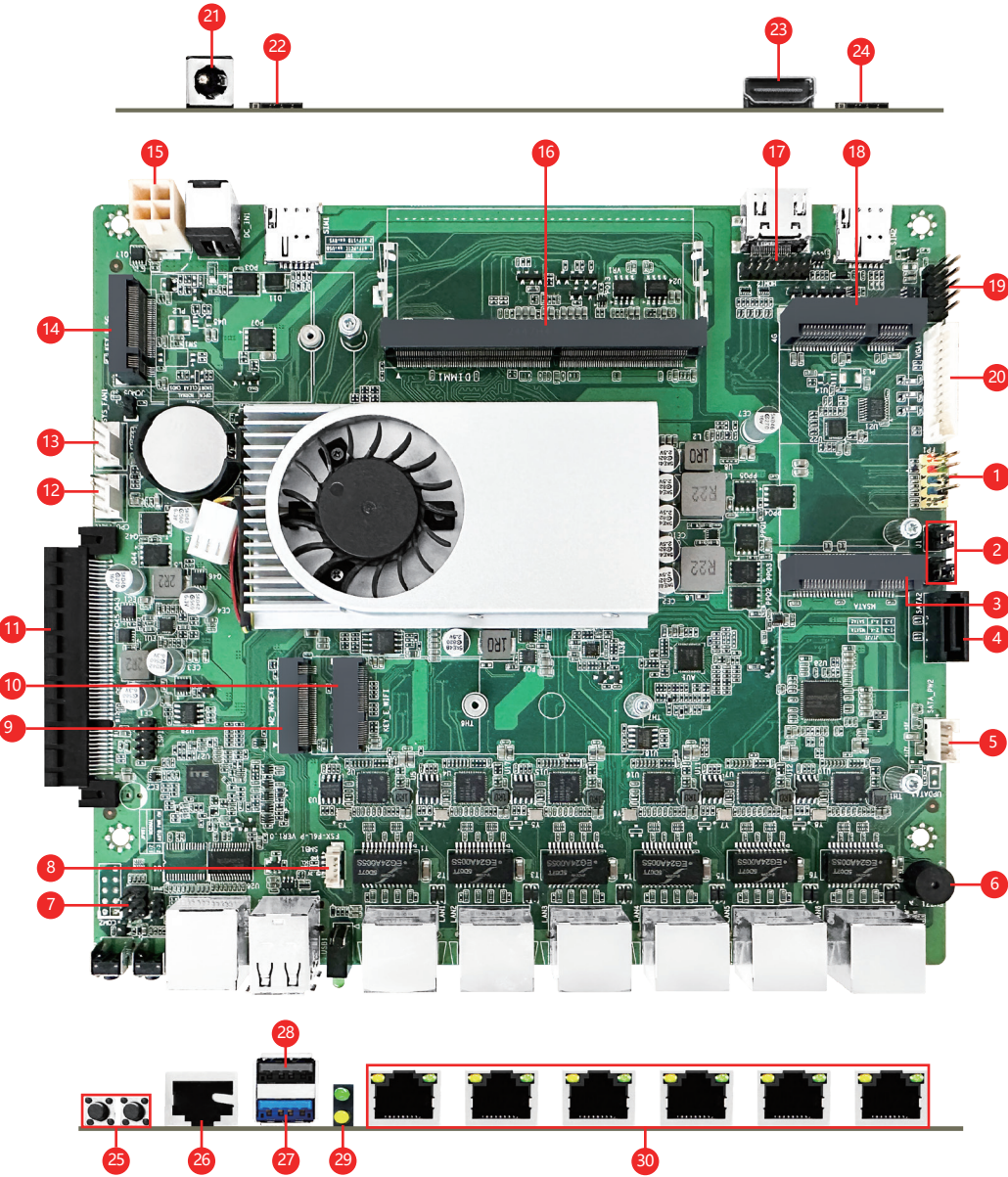
Product characteristics:

- Intel® N150 CPU
- Support 4*USB (1*USB3.0 interface/ 2*USB2.0 Pin/1*USB2.0 interface)
- Support 6*LAN(Intel I226-V 2.5Gbps/ 1Gbps/100Mbps Ethernet Controller)



ZA-N150L6D Motherboard Specifications

Size	180mm*200mm
CPU	Intel® N150 CPU
RAM	Support 1*DIMM DDR4 3200MHZ, Maximum support 16GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 2*J1/J2 Pin 1*SATA Data interface 1*JSATA Power supply interface 1*GPIO Pin 1*SMB1 Pin 1*CPU_FAN Pin 1*SYS_FAN Pin 1*4Pin Power outlet 1*HDMI2 Pin 1*FUSB1 Pin(Support 2*USB2.0 interface) 1*VGA Pin
Rear I/O	1*DC 12V interface 2*SIM Card slots 1*HDMI interface 1*TJ45COM interface 1*USB2.0 interface 1*USB3.0 interface 6*LAN interface
LAN	6*Intel I226-V 2.5Gbps/1Gbps/100Mbps Ethernet Controller
Expansion slot	1*KEY_E_WIFI slot(CNVI) / 1*KEY_M slot(PCIe 3.0 x1) / 1*KEY_B_5G slot(4G/5G) 1*MINI PCIe slot(4G/USB) / 1*MINI PCIe slot (MSATA)/1*PCIe X8 slot
StatusDisplay TM	 It can be equipped with a small screen display module to display the CPU temperature and CPU fan speed in real time
Operating System	Windows10/11, Linux



1	Front panel Pin
2	J1/J2 Pin
3	MINI PCIE slot (MSATA)
4	SATA Data interface
5	JSATA Power supply interface
6	buzzer
7	GPIO Pin
8	SMB1 Pin
9	KEY_M slot(PCIE 3.0 x1)
10	KEY_E_WIFI slot(CNVI)
11	PCIE X8 slot
12	CPU_FAN Pin
13	SYS_FAN Pin
14	KEY_B_5G slot(4G/5G)
15	4Pin Power outlet
16	DDR4 slot
17	HDMI2 Pin
18	MINI PCIE slot(4G/USB)
19	FUSB1 Pin
20	VGA Pin

21	DC 12V interface	26	TJ45COM interface
22	SIM1 Card slots	27	USB3.0 interface
23	HDMI interface	28	USB2.0 interface
24	SIM2 Card slots	29	LED Light
25	RST_BT(1/2)	30	LAN interface(1-6)

ZA-N150L6D 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) J1/J2排针

Pin	Definition	Pin	Definition
1	GND	2	GND
3	TX485+/422+	4	TX485-/422-
5	RX422+	6	RX422-

(8) GPIO Pin

Location	Pin	Definition	Pin	Definition
GPIO (2mm)	1	GP23_IO	2	3V_RUN
	3	GP30_IO	4	5V_RUN
	5	GND	6	12V_RUN

(13) CPU_FAN Pin

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

(14) SYS_FAN Pin

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

(18) HDMI2 Pin

Location	Pin	Definition	Pin	Definition
HDMI2 (2mm)	1	DDI1_TXP0	2	HDMIC_SCL
	3	DDI1_TXN0	4	HDMIC_SDA
	5	DDI1_TXP1	6	NC
	7	DDI1_TXN1	8	HDMIC_HPD_SINK
	9	DDI1_TXP2	10	DDC_5V
	11	DDI1_TXN2	12	GND
	13	DDI1_TXP3	14	GND
	15	DDI1_TXN3	16	GND

(20) FUSB1 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