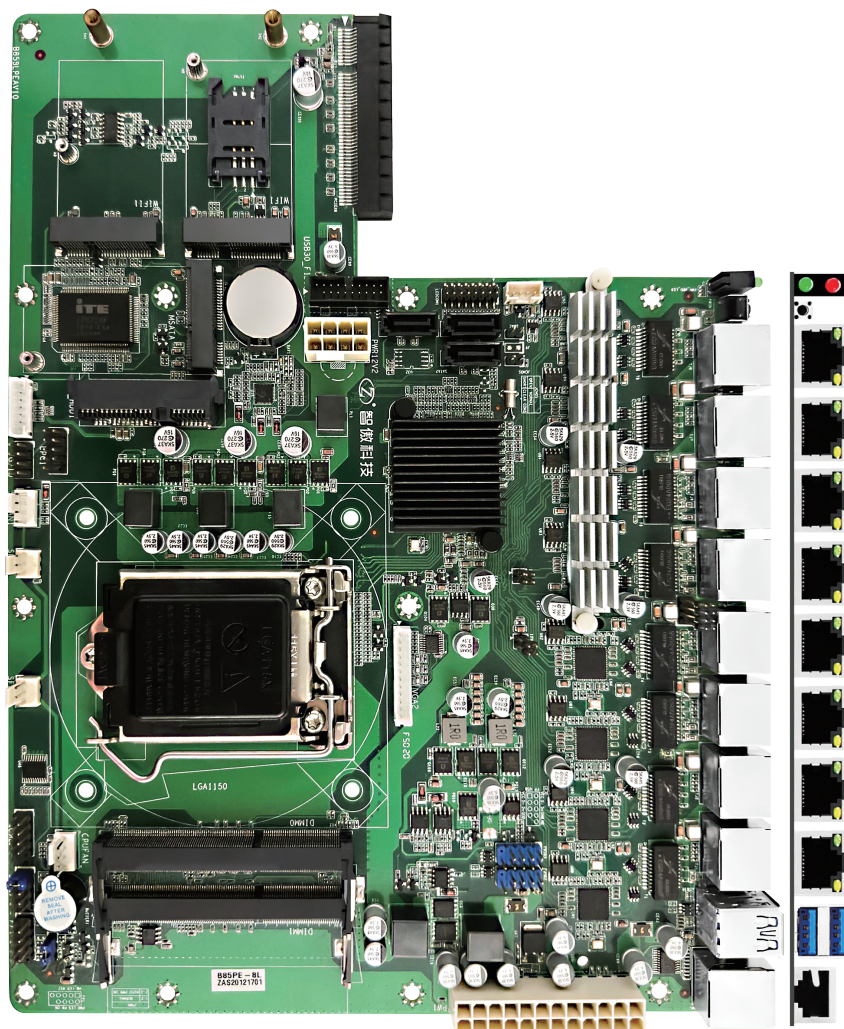


ZA-B85PE-8L Mainboard

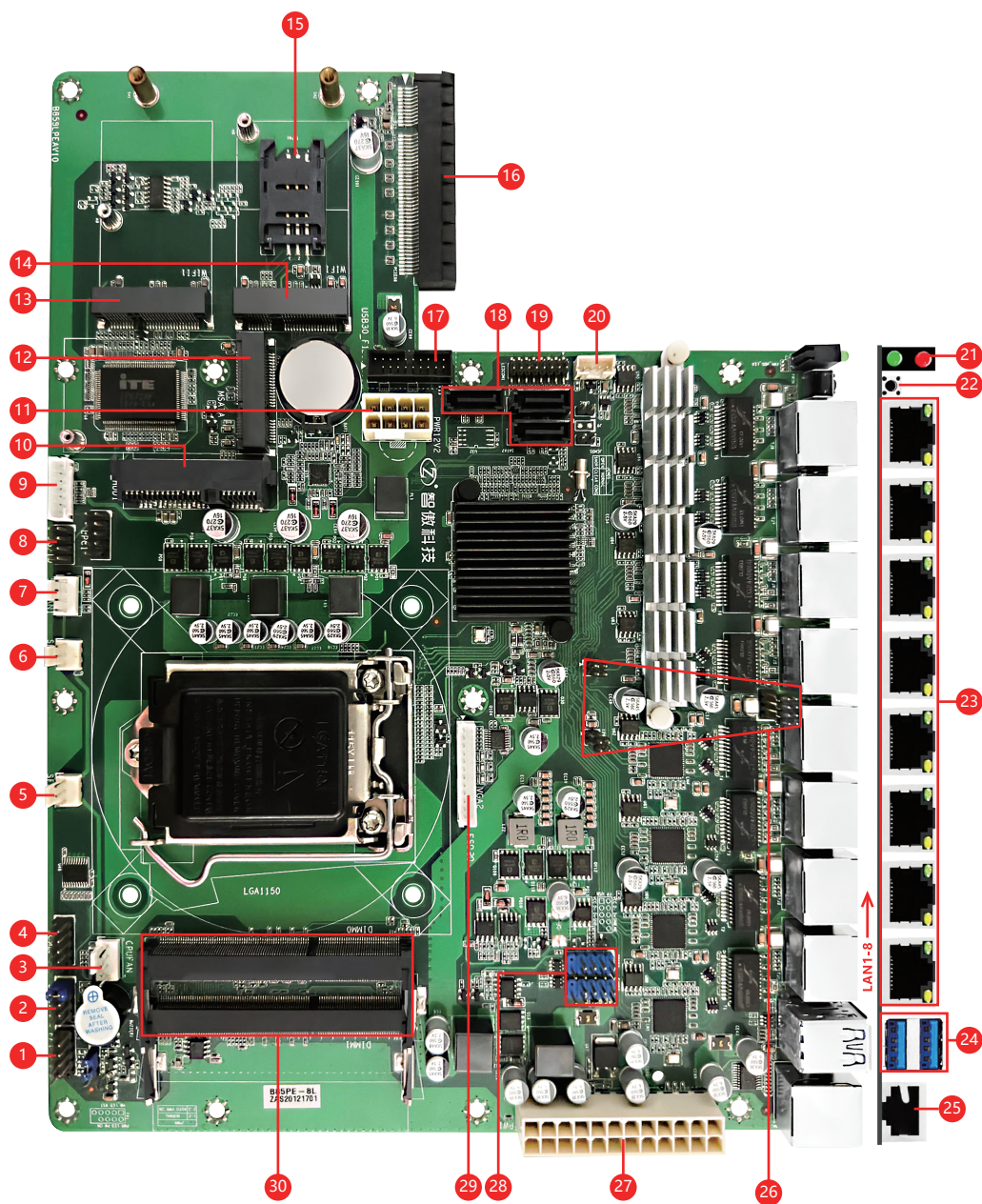
Product characteristics:

- 4th generation Intel® Core™ i3/i5/i7 Celeron® Pentium® CPU
- Support 8*USB(2*USB3.0 interface/ 4*USB2.0 Pin/2*USB3.0 Pin)
- Support 8*LAN(Intel 82574, 1Gbps/ 100Mbps/10Mbps Ethernet Controller)



ZA-B85PE-8L Motherboard Specifications

Size	210mm*280mm
CPU	4th generation Intel® Core™ i3/i5/i7 Celeron® Pentium® CPU
RAM	Support 2*DDR3-1333/1600 Mhz
BIOS	AMIBIOS 64Mbit Flash
Internal I/O	1*Front panel Pin 1*JPC1 Pin 1*CPU_FAN Pin 1*COM Pin 2*SFAN Pin(full) 1*SYS_FAN Pin(Speed control) 1*GPIO Pin 1*JPS1 Pin 1*8Pin Power outlet 1*TSIM1 Card slot 1*USB30_F1 Pin(Support 2*USB3.0 interface) 3*SATA Data interface 1*LEDCON Pin 1*JSATA Power supply interface 1*24Pin Power outlet 2*FUSB2/3 Pin(Support 4*USB2.0 interface) 3*POE module Power supply Pin 1*VGA Pin
Rear I/O	8*LAN interface 2*USB3.0 interface 1*TJ45COM1 interface
LAN	8*Intel 82574, 1Gbps/100Mbps/10Mbps Ethernet Controller
Expansion slot	1*MINI PCIE slot(MSATA) / 1*MINI PCIE slot(WIFI) / 1*MINI PCIE slot(4G) / 1*PCIEX8 slot / 1*2D5_HDD1 slot
Operating System	Windows7/10, Linux



1	Front panel Pin
2	JPC1 Pin
3	CPU_FAN Pin
4	COM Pin
5	SFAN1 Pin
6	SFAN2 Pin
7	SYS_FAN Pin
8	GPIO Pin
9	JPS1 Pin
10	2D5_HDD1 Slot
11	8Pin Power outlet
12	MINI PCIE slot(MSATA)
13	MINI PCIE slot(WIFI)
14	MINI PCIE slot(4G)
15	TSIM1 Card slot
16	PCIEX8 Slot
17	USB30_F1 Pin
18	SATA Data interface
19	LEDCON Pin
20	JSATA Power supply interface
21	LED Light
22	PWON switch

23	LAN(3/4/5/6 Support POE function)	27	24Pin Power outlet
24	USB3.0 interface	28	FUSB2/3 Pin
25	TJ45COM1 interface	29	VGA Pin
26	POE module Power supply Pin	30	DDR3 Memory slots

ZA-B85PE-8L 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		

(3) CPU_FAN Pin

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

(4) COM Pin

Location	Pin	Definition	Pin	Definition
COM2 (2.54mm)	1	2DCD	2	2SIN
	3	2SOUT	4	2DTR
	5	GND	6	2DSR
	7	2RTS	8	2CTS
	9	2RI		

(7) SYS_FAN Pin

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

(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

(17) 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

(28) FUSB2/3 Pin

Location	Pin	Definition	Pin	Definition
FUSB2 (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

Location	Pin	Definition	Pin	Definition
FUSB3 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	FDM1	4	FDM2
	5	FDP1	6	FDP2
	7	GND	8	GND
	9	NC	10	GND