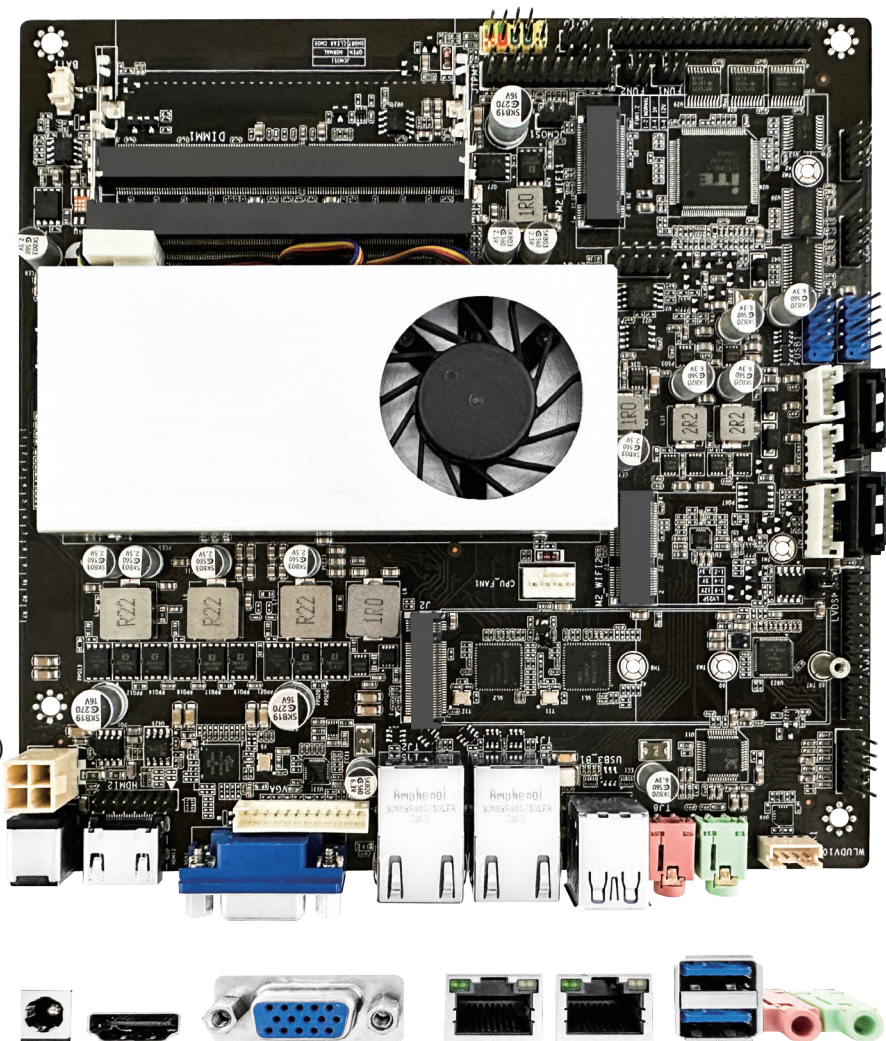


WLUDV10 Motherboard

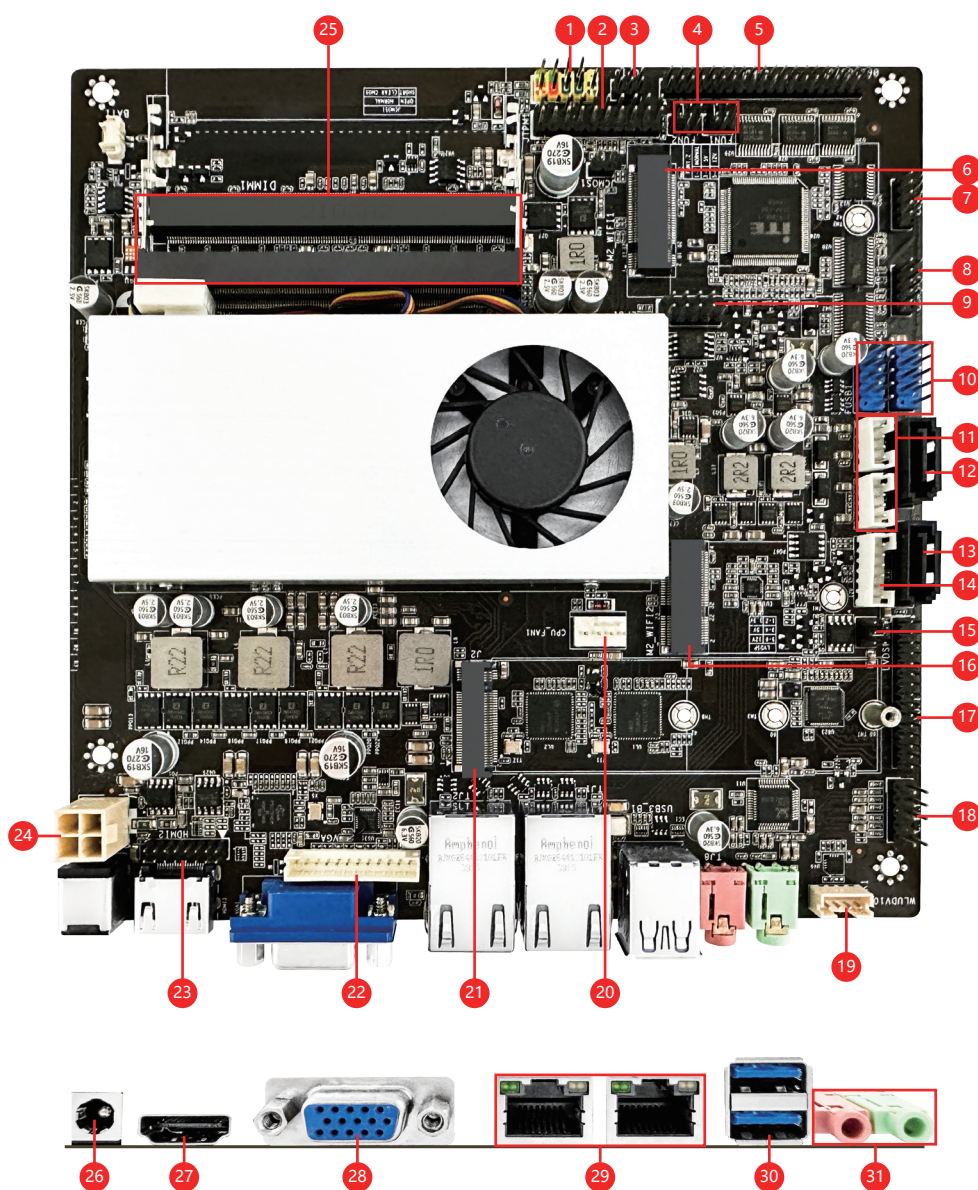
Product characteristics:

- Intel®Core™ i3-10110U CPU
- Support 1*HDMI/1*VGA/1*LVDS Displays the output
- Support 6*USB(2*USB3.0 interface/ 4*USB2.0Pin)
- Support 2*LAN(Intel I211, 1Gbps/ 100Mbps/10Mbps Ethernet Controller)



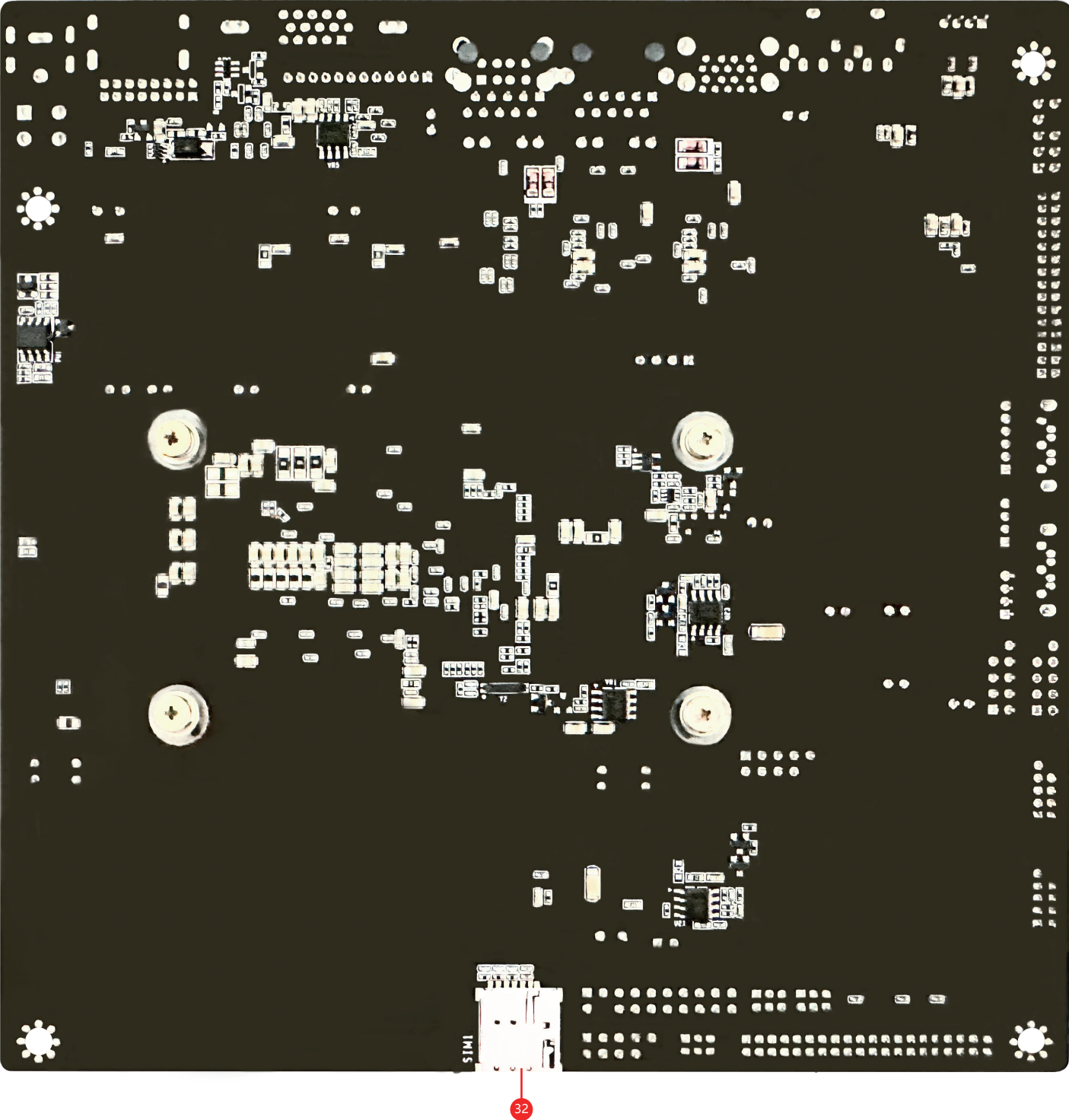
WLUDV10 Motherboard Specifications

Size	170mm*170mm
CPU	Intel®Core™ i3-10110U CPU
RAM	Support 2*DDR4-2666Mhz,Maximum support 64GB
BIOS	AMIBIOS 128Mbit Flash
Internal I/O	1*Front panel Pin 1*JTPM Pin 1*GPIO Pin 2*COM_FUN Jumper 1*COM36 Pin 2*COM1/2 Pin 1*LPC Pin 2*FUSB2.0 Pin(Support 4*USB2.0 interface) 2*JSATA Power supply interface 2*SATA Data interface 1*Inverter Pin 1*LVDSP Jumper 1*LVDS Pin 1*CFPA Pin 1*SPEAK Pin 1*CPU_FAN Pin 1*VGA Pin 1*HDMI Pin 1*4Pin Power outlet
Rear I/O	1*DC 12V interface 1*HDMI interface 1*VGA interface 2*LAN interface 2*USB3.0 interface 2*AUDIO interface (1*LINE OUT、1*MIC)
LAN	2*Intel I211 1Gbps/100Mbps/10Mbps Ethernet Controller
Expansion slot	2*M.2 SSD slot (WIFI)/ 1*M.2 SSD slot (SATA/PCIE)
Operating System	Windows8/10, Linux



1	Front panel Pin
2	JTPM Pin
3	GPIO Pin
4	COM_FUN Jumper
5	COM36 Pin
6	M.2 SSD slot (WIFI)
7	COM Pin
8	COM Pin
9	LPC Pin
10	FUSB2.0 Pin
11	JSATA Power supply interface
12	SATA Data interface
13	SATA Data interface
14	Inverter Pin
15	LVDS Jumper
16	M.2 SSD slot(WIFI)
17	LVDS Pin
18	CFPA Pin
19	SPEAK Pin
20	CPU_FAN Pin

21	M.2 SSD slot(SATA/PCIE)	27	HDMI interface
22	VGA Pin	28	VGA interface
23	HDMI Pin	29	LAN interface
24	4Pin Power outlet	30	USB3.0 interface
25	DDR4 slot	31	AUDIO interface (1*LINE OUT、1*MIC)
26	DC 12V interface		



32	SIM card slot
----	---------------

WLUDV10 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		

(4) COM FUN Jumper

Location	Pin	Definition	Pin	Definition
COM3_FUN (2mm)	1	RTS3-	2	RTS6-EN
	3	SOUT3	4	SOUT6EN
	5	SIN3	6	RS485_RXD1
	7	NC	8	NC

Location	Pin	Definition	Pin	Definition
COM2_FUN (2mm)	1	RTS2-	2	RTS5-EN
	3	SOUT2	4	SOUT5EN
	5	SIN2	6	RS485_RXD0
	7	NC	8	NC

(5/7/8) COM Pin

Location	Pin	Definition	Pin	Definition
COM36 (2mm)	1	3DCD	2	3SIN
	3	3SOUT	4	3DTR
	5	GND	6	3DSR
	7	3RTS	8	3CTS
	9	3RI	10	NC
	11	4DCD	12	4SIN
	13	4SOUT	14	4DTR
	15	GND	16	4DSR
	17	4RTS	18	4CTS
	19	4RI	20	NC
	21	5DCD	22	5SIN
	23	5SOUT	24	5DTR
	25	GND	26	5DSR
	27	5RTS	28	5CTS
	29	5RI	30	NC
	31	6DCD	32	6SIN
	33	6SOUT	34	6DTR
	35	GND	36	6DSR
	37	6RTS	38	6CTS
	39	6RI	40	NC

Location	Pin	Definition	Pin	Definition
COM1 (2.54mm)	1	NDCDA	2	NSINA
	3	NSOUTA	4	NDTRA
	5	GND	6	NDSRA
	7	NRTSA	8	NCTSA
	9	NR1A		

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		

(10) 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

Location	Pin	Definition
FUSB2 (2.54mm)	1	5V_RUN
	2	FDM7
	3	FDP7
	4	GND

(18) CFPA Pin

Location	Pin	Definition	Pin	Definition
FPA1 (2.54mm)	1	P_STB_R	2	AUD_AGND
	3	P_PD0_R	4	NC
	5	P_PD1_R	6	MIC2-JD
	7	P_PD2_R	8	NC
	9	P_PD3_R	10	LINE2-JD

(17) LVDS Pin

Location	Pin	Definition	Pin	Definition
LVDS1 (2mm)	1	VDDLVD	2	VDDLVD
	3	VDDLVD	4	GND
	5	GND	6	LVDS_DP
	7	LVDS_DATA_0N	8	LVDS_DATA_0P
	9	LVDS_DATA_1N	10	LVDS_DATA_1P
	11	LVDS_DATA_2N	12	LVDS_DATA_2P
	13	GND	14	GND
	15	LVDS_CLKN	16	LVDS_CLKP
	17	LVDS_DATA_3N	18	LVDS_DATA_3P
	19	LVDS1_DATA_0N	20	LVDS1_DATA_0P
	21	LVDS1_DATA_1N	22	LVDS1_DATA_1P
	23	LVDS1_DATA_2N	24	LVDS1_DATA_2P
	25	GND	26	GND
	27	LVDS1_CLKN	28	LVDS1_CLKP
	29	LVDS1_DATA_3N	30	LVDS1_DATA_3P

(19) SPEAK Pin

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

(20) CPU_FAN Pin

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

(23) HDMI 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