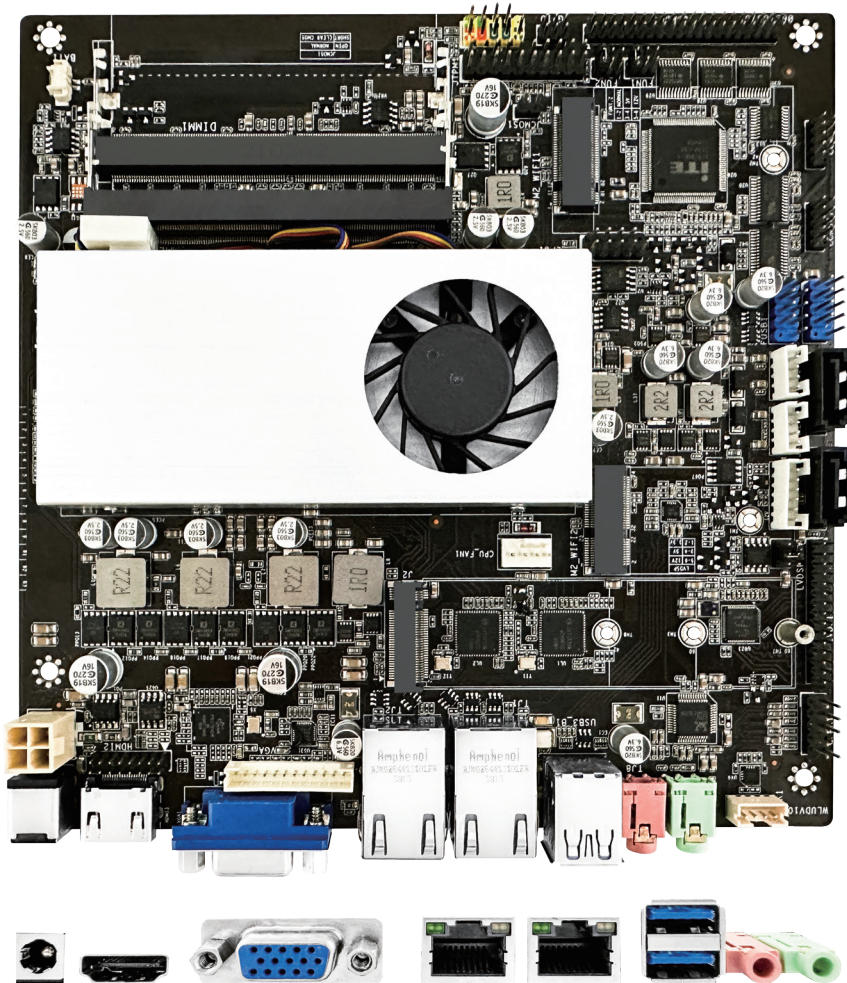


WLUDV10主板

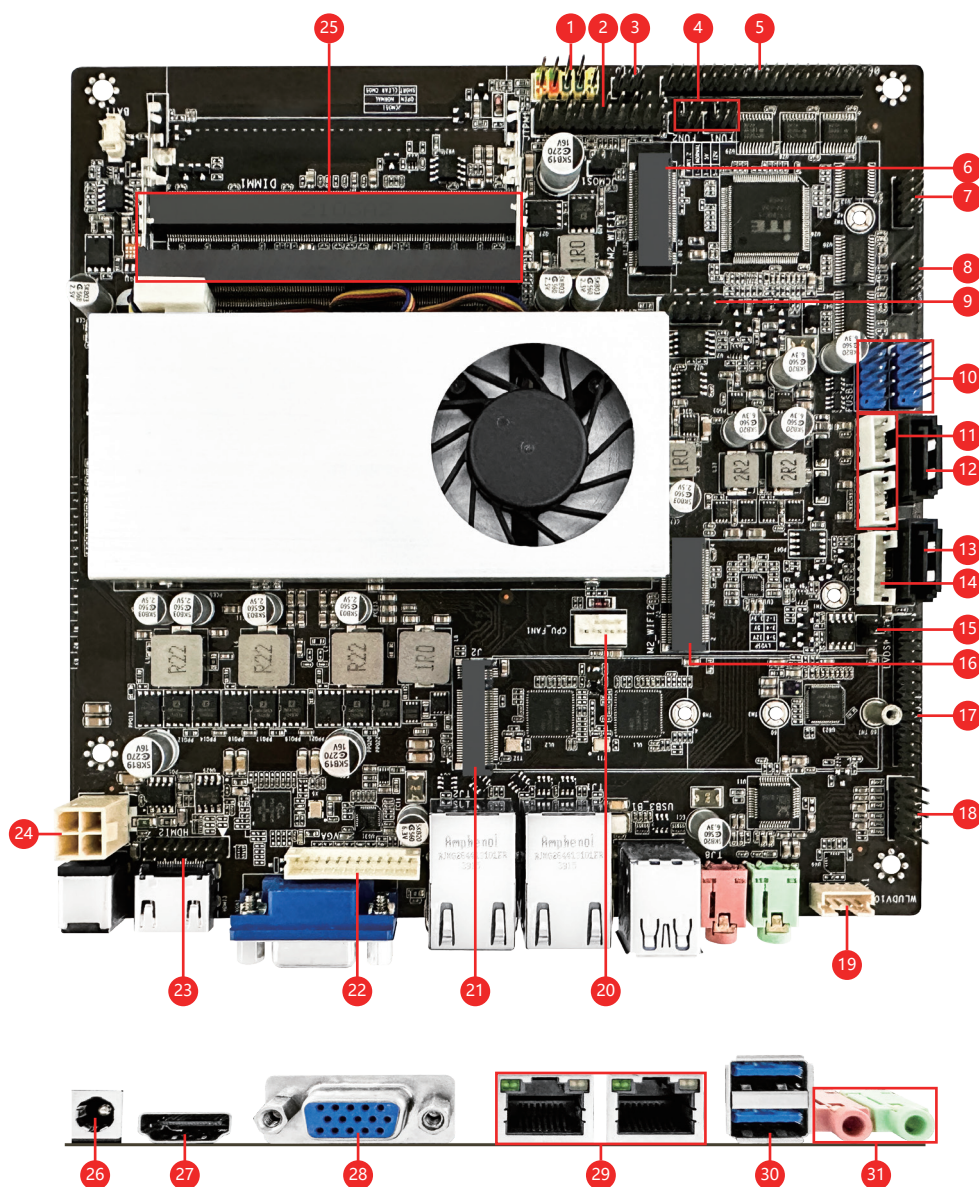
产品特性:

- 英特尔® 酷睿™ i3-10110U 处理器
- 支持1个HDMI/1个VGA/1个LVDS显示输出
- 支持6个USB (2*USB3.0接口/4*USB2.0排针)
- 支持2个LAN口(Intel I211,1Gbps/100Mbps/10Mbps以太网控制器)



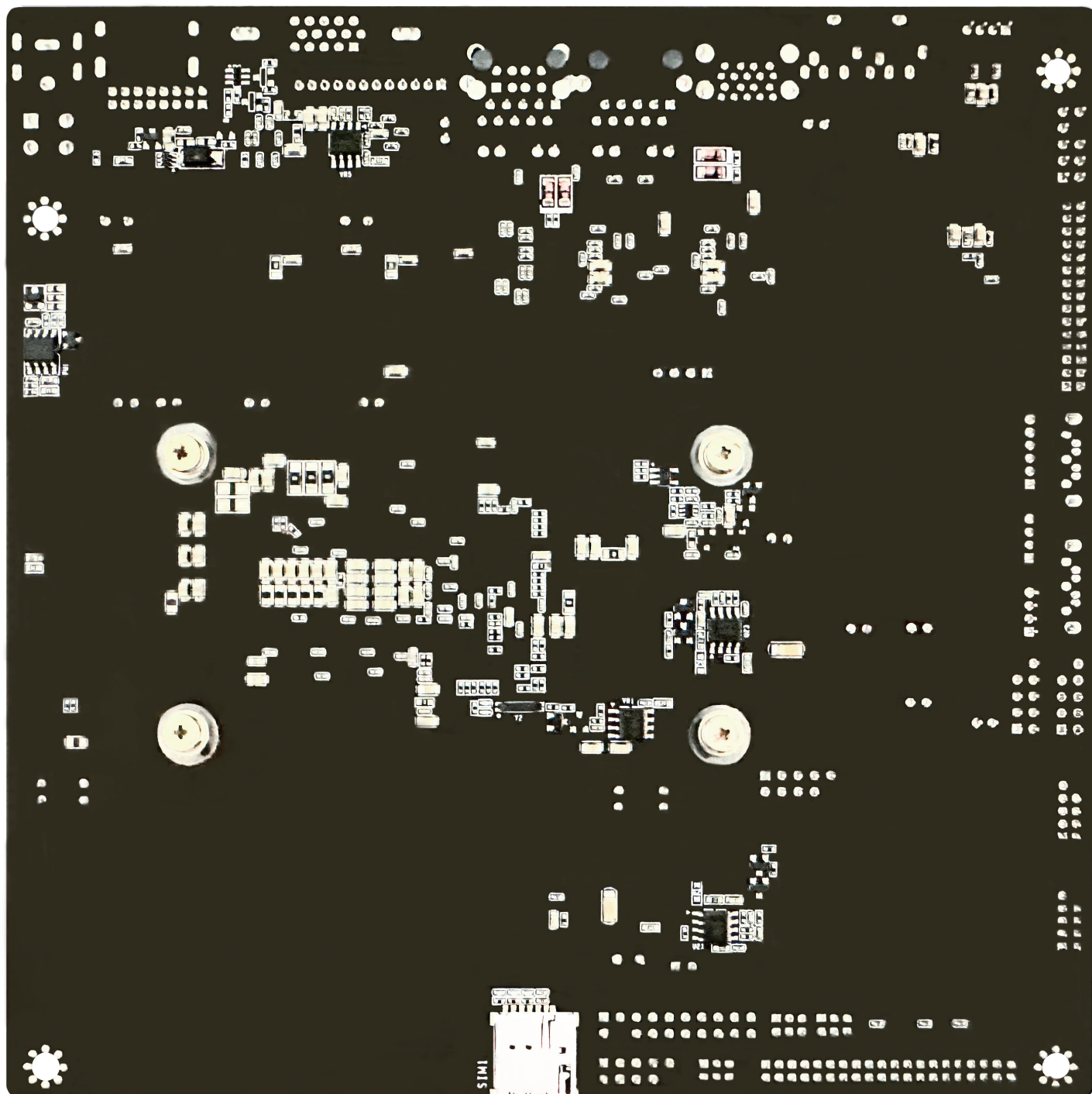
WLUDV10主板规格

板型尺寸	170mm*170mm
处理器	英特尔® 酷睿™ i3-10110U 处理器
内存	支持2个DDR4-2666Mhz, 最大支持64GB
BIOS	AMIBIOS 128Mbit 闪存
内置I/O接口	1*Front panel排针 1*JTPM排针 1*GPIO排针 2*COM_FUN跳线 1*COM36排针 2*COM1/2排针 1*LPC排针 2*FUSB2.0排针(支持4个USB2.0接口) 2*JSATA供电接口 2*SATA数据接口 1*Inverter排针 1*LVDS排针 1*LVDS排针 1*CFPA排针 1*SPEAK排针 1*CPU_FAN排针 1*VGA排针 1*HDMI排针 1*4Pin电源接口
外置I/O接口	1*DC 12V接口 1*HDMI接口 1*VGA接口 2*LAN接口 2*USB3.0接口 2*AUDIO接口 (1*LINE OUT、1*MIC)
集成网卡	2*Intel I211; 1Gbps/100Mbps/10Mbps以太网控制器
扩展槽/口	2*M.2 SSD插槽 (WIFI)/ 1*M.2 SSD 插槽 (SATA/PCIE)
操作系统	Windows8/10, Linux



1	Front panel排针
2	JTPM排针
3	GPIO排针
4	COM_FUN跳线
5	COM36排针
6	M.2 SSD插槽 (WIFI)
7	COM排针
8	COM排针
9	LPC排针
10	FUSB2.0排针
11	JSATA供电接口
12	SATA数据接口
13	SATA数据接口
14	Inverter排针
15	LVDS排针
16	M.2 SSD插槽(WIFI)
17	LVDS排针
18	CFPA排针
19	SPEAK排针
20	CPU_FAN排针

21	M.2 SSD插槽(SATA/PCIE)	27	HDMI接口
22	VGA排针	28	VGA接口
23	HDMI排针	29	LAN口
24	4Pin电源接口	30	USB3.0接口
25	DDR4内存槽	31	AUDIO接口 (1*LINE OUT、1*MIC)
26	DC 12V接口		



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32 SIM卡槽

WLUDV10主板定义

(1) Front panel排针

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跳线

Location	Pin	Definition	Pin	Definition	NOTE
COM3_FUN (2mm)	1	RTS3-	2	RTS6-EN	此插针的功能为COM3信号选择 RS232: 跳帽放置位置为(5-7)(6-8)(2-4) RS485: 跳帽放置位置为(1-2)(3-4)(5-6)
	3	SOUT3	4	SOUT6EN	
	5	SIN3	6	RS485_RXD1	
	7	NC	8	NC	

Location	Pin	Definition	Pin	Definition	NOTE
COM2_FUN (2mm)	1	RTS2-	2	RTS5-EN	此插针的功能为COM2信号选择 RS232: 跳帽放置位置为(5-7)(6-8)(2-4) RS485: 跳帽放置位置为(1-2)(3-4)(5-6)
	3	SOUT2	4	SOUT5EN	
	5	SIN2	6	RS485_RXD0	
	7	NC	8	NC	

(5/7/8) COM排针

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排针

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排针

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排针

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排针

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

(20) CPU_FAN排针

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

(23) HDMI排针

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