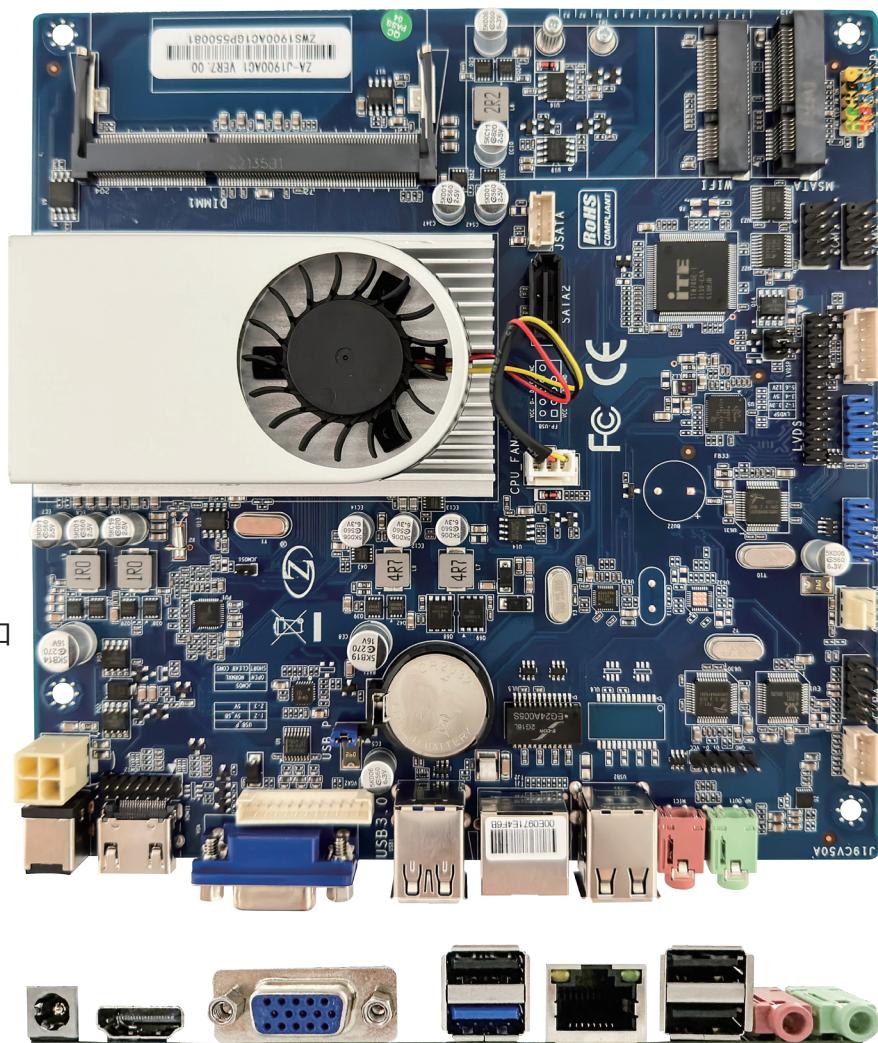


# ZA-J1900AC1主板

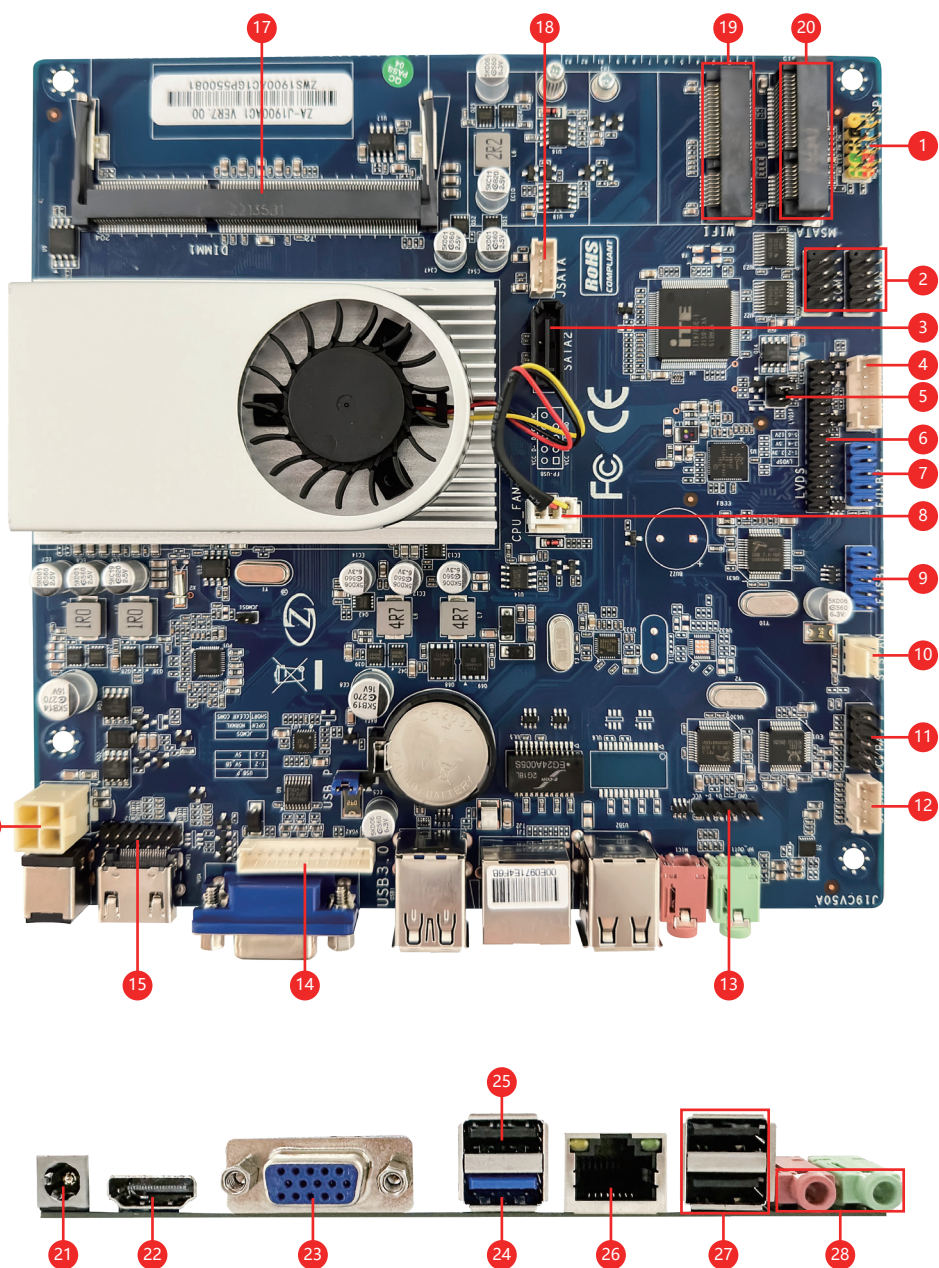
## 产品特性:

- 英特尔® J1900 四核处理器  
(CPU主频2GHz 最大睿频2.41GHz)
- 支持1个HDMI/1个VGA/1个LVDS显示输出
- 支持9个USB (1\*USB3.0接口/3\*USB2.0接口  
5\*USB2.0排针)
- 搭载 Intel HD Graphics核心显卡



## ZA-J1900AC1主板规格

<b>板型尺寸</b>	170mm*170mm
<b>处理器</b>	英特尔®J1900 四核处理器 (CPU主频2GHz 最大睿频2.41GHz)
<b>图形显示</b>	集成Intel HD Graphics核心显卡
<b>内存</b>	DDR3L 支持1333/1066MHz
<b>BIOS</b>	AMIBIOS 32Mbit 闪存
<b>内置I/O接口</b>	1*Front panel排针 2*COM口排针 1*SATA数据接口 1*Inverter排针 1*LVDS跳线 1*LVDS排针 1*CPU_FAN排针 1*SYS_FAN排针 1*CFPA排针 1*SPEAK排针 5*USB2.0排针 1*VGA排针 1*HDMI排针 1*4Pin电源接口 1*DDR3 插槽 1*JSATA供电接口
<b>外置I/O接口</b>	1*DC 12V接口 1*HDMI接口 1*VGA接口 1*USB3.0接口 1*LAN接口 3*USB2.0接口 1*AUDIO接口 (1*LINE OUT、1*MIC)
<b>集成网卡</b>	1*Realtek RTL8105E/RTL8111E 1000M/100M/10M以太网控制器
<b>扩展槽/口</b>	1*Mini pcie插槽 (WIFI) / 1*Mini pcie插槽 (MSATA)
<b>操作系统</b>	Windows7/Windows8/Windows10 Linux



1	Front panel排针
2	COM口排针
3	SATA数据接口
4	Inverter排针
5	LVDSP跳线
6	LVDS排针
7	USB2.0排针
8	CPU_FAN排针
9	USB2.0排针
10	SYS_FAN排针
11	CFPA排针
12	SPEAK排针
13	USB2.0排针
14	VGA排针
15	HDMI排针
16	4Pin电源接口
17	DDR3 插槽
18	JSATA供电接口
19	Mini pcie插槽 (WIFI)
20	Mini pcie插槽 (MSATA)

21	DC 12V接口	25	USB2.0接口
22	HDMI接口	26	LAN接口
23	VGA接口	27	USB2.0接口
24	USB3.0接口	28	AUDIO接口 (1*LINE OUT、1*MIC)

# ZA-J1900AC1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		

## (2) COM口排针

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	NRIA		

(5) LDVSP跳线

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

Location	Pin	Definition
INVERT_LVDS1	1	GND
	2	GND
	3	BL_ADJ
	4	BKLT-EN
	5	+12V
	6	+12V

Location	Pin	Definition	Pin	Definition
LVDS1 (2mm)	1	3.3V_RUN	2	LVDS1_POWER
	3	5V_RUN	4	LVDS1_POWER
	5	12V_RUN	6	LVDS1_POWER
<b>NOTE</b>				
此插针的功能为LVDS1供电选择 1.请务必注意所使用的LVDS屏幕的电压。如果接入电压高于屏幕所允许的电压，可能会导致屏幕损坏。在连接屏幕之前，请确保电压匹配，以免造成不必要的损失。 2.跳帽默认放置于(1-2)，即3.3V电压				

(8) CPU\_FAN排针

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

(8) SYS\_FAN排针

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

(11) 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

(7/9/13) 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		

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

(12) SPEAK排针

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

(15) 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