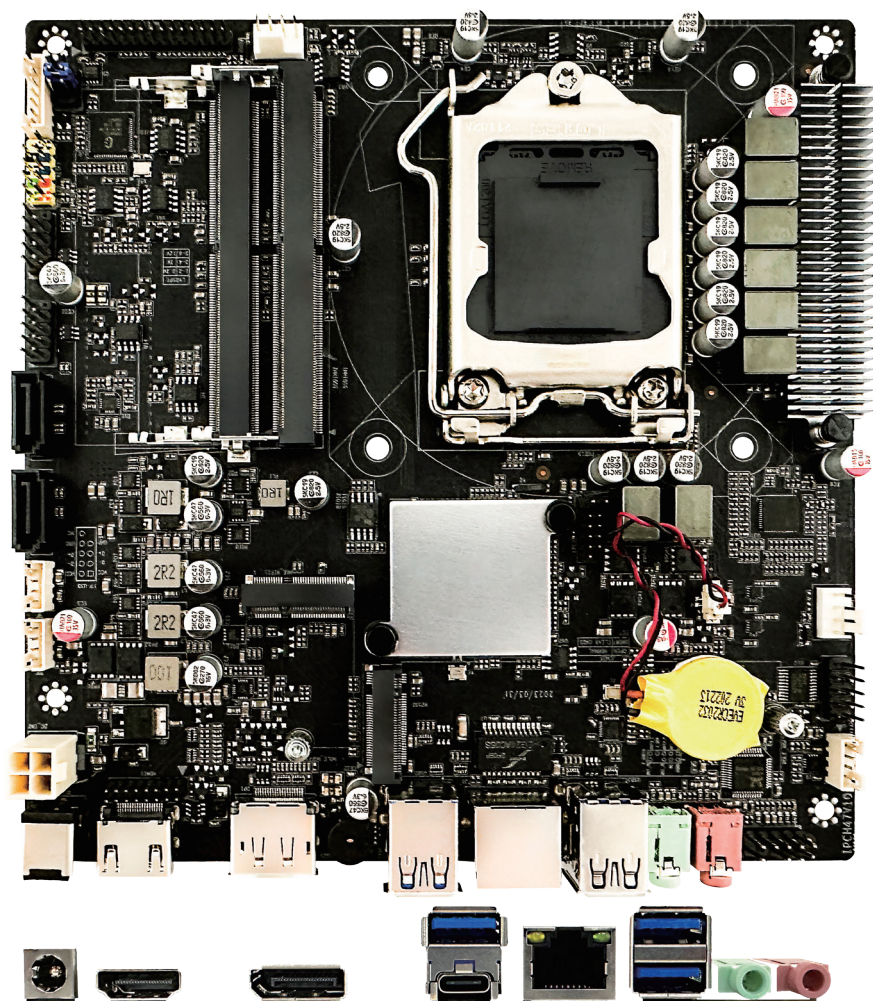


# IPCH47V10主板

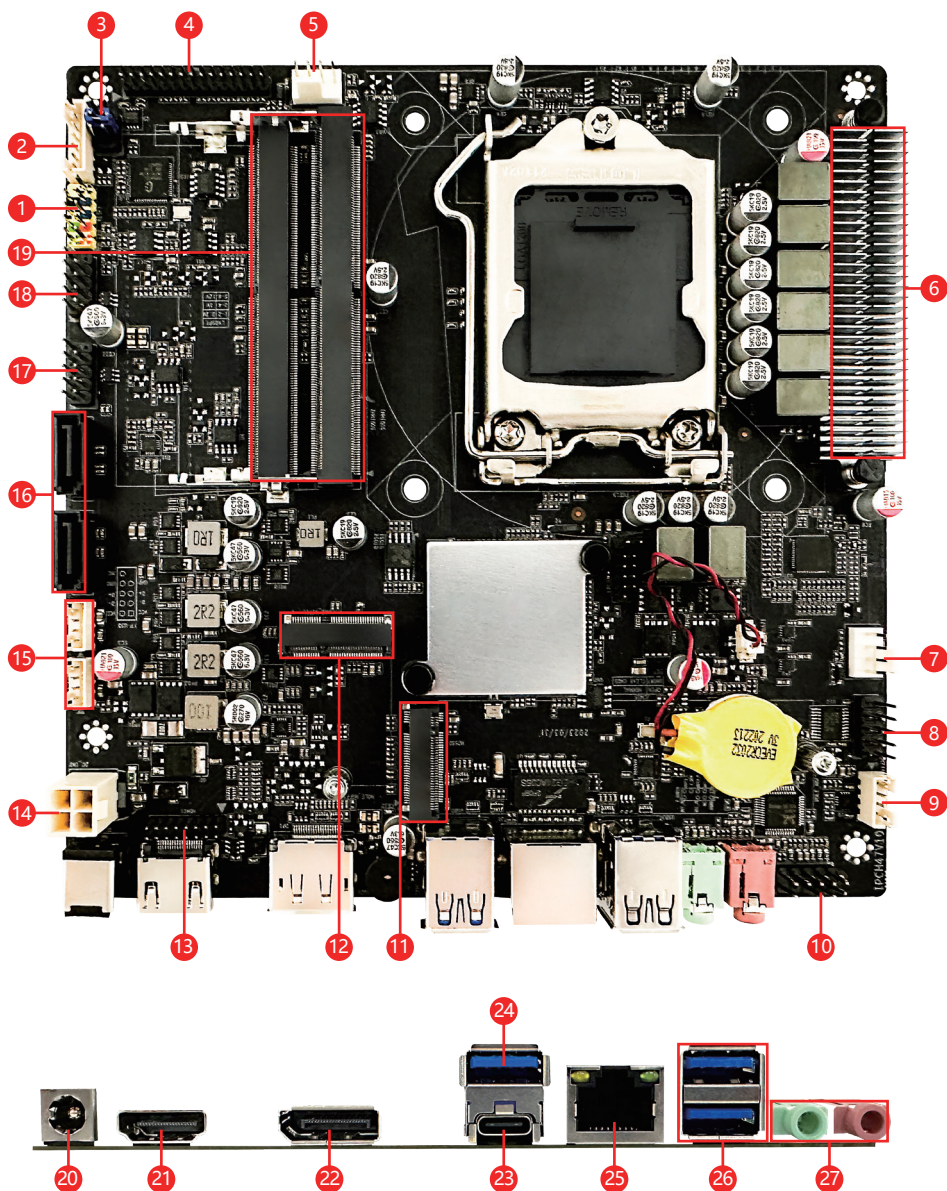
## 产品特性:

- 英特尔 10代/11代处理器
- 支持8个USB (4\*USB2.0排针/3\*USB3.0排针/1\*TYPE-C接口)
- 支持1个LAN口 (Realtek 8111H,1000M/100M/10M以太网控制器)



## IPCH47V10主板规格

<b>板型尺寸</b>	170MM*170MM
<b>处理器</b>	英特尔10代/11代处理器
<b>内存</b>	SODIMM DDR4-3200 128G
<b>BIOS</b>	AMIBIOS 128Mbit 闪存
<b>内置I/O接口</b>	1*Front panel排针 1*Inverter排针 1*屏供电电压选择跳线 1*LVDS排针 1*SYS_FAN排针 1*散热片 1*CPU_FAN排针 1*COM口排针 1*功放喇叭排针接口(2W/CH) 1*音频输出排针 1*M.2 SSD插槽 (PCIE/SATA) 1*M.2 WIFI插槽 (PCIE/USB) 1*HDMI排针 1*2x2Pin电源插座 1*JSATA供电接口 1*SATA数据接口 2*FUSB2.0排针 2*SO-DIMM DDR4 插槽
<b>外置I/O接口</b>	1*DC 12/19V接口 1*HDMI接口 1*DP数字式视频接口标准 1*TYPE-C接口 1*LAN接口 3*USB3.0接口 1*AUDIO接口 (1*LINE OUT、1*MIC)
<b>集成网卡</b>	1*Realtek 8111H,1000M/100M/10M以太网控制器
<b>扩展槽/口</b>	1*M.2 SSD插槽/1*M.2 WIFI插槽
<b>操作系统</b>	windows 10/windows 11, Linux



1	Front panel排针
2	Inverter排针
3	屏供电电压选择跳线
4	LVDS排针
5	SYS_FAN排针
6	散热片
7	CPU_FAN排针
8	COM口排针
9	功放喇叭排针接口(2W/CH)
10	音频输出排针
11	M.2 SSD插槽 (PCIE/SATA)
12	M.2 WIFI插槽 (PCIE/USB)
13	HDMI排针
14	2x2Pin电源插座
15	JSATA供电接口
16	SATA数据接口
17	FUSB2.0排针
18	FUSB2.0排针
19	SO-DIMM DDR4 插槽

20	DC 12/19V接口	24	USB3.0接口
21	HDMI接口	25	LAN接口
22	DP数字式视频接口标准	26	USB3.0接口
23	TYPE-C接口	27	AUDIO接口 (1*LINE OUT、1*MIC)

# IPCH47V10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) LVDS排针

Location	Pin	Definition	Pin	Definition
LVDSP1 (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
LVDSP1 (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				

## (5) SYS\_FAN排针

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

## (7) CPU\_FAN排针

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



(8) COM口排针

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		

(13/21) 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

Location	Pin	Definition	Pin	Definition
HDMI2 (2mm)	1	GND	2	GND
	3	12V_STBY	4	12V_STBY

(17/18) 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		