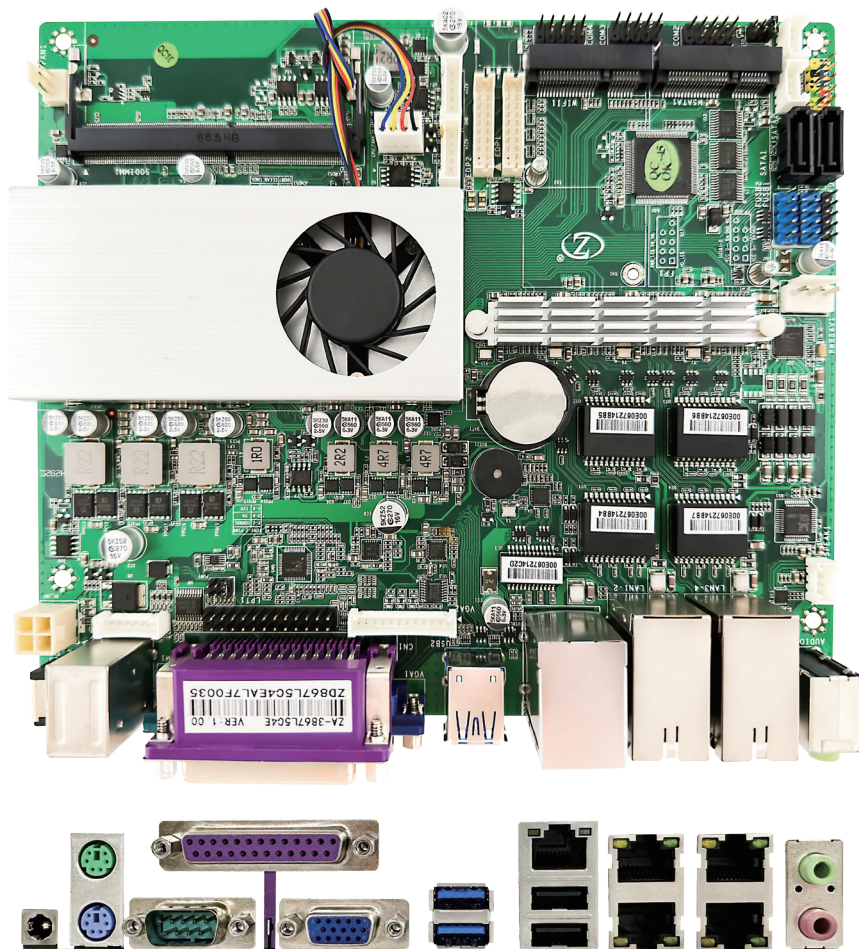


POSKBRV20主板

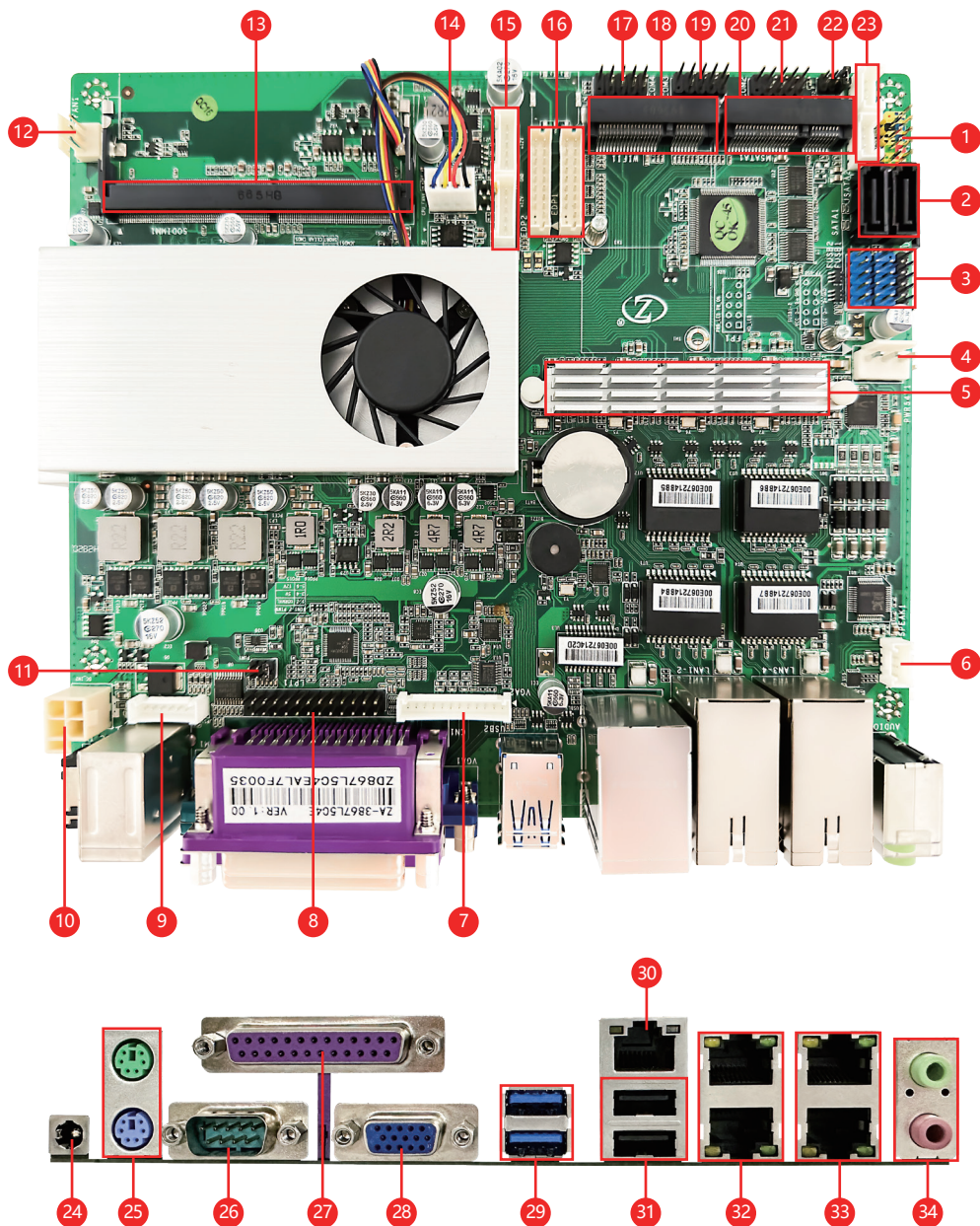
产品特性:

- 英特尔® 赛扬® 处理器 3867U
- 支持9个USB
(2*USB3.0接口/2*USB2.0接口/5*USB2.0排针)
- 支持2个EDP/2个VGA 显示输出
- 支持5个LAN接口(1*Realtek 8111H,10M/100M 1000M以太网控制器) (4*Intel Ethernet Controller I211; 1GbE/100Mbps/10Mbps)



POSKBRV20主板规格

板型尺寸	200mm*170mm
处理器	英特尔® 赛扬® 处理器 3867U
内存	DDR4-2133 32G
BIOS	AMIBIOS 64Mbit 闪存
内置I/O接口	1*Front panel排针 2*SATA数据接口 5*FUSB排针 1*PWR54V1排针 1*散热片 1*SPEAK排针 1*VGA跳线 1*LPT排针 1*PS/2排针接口 1*2X2Pin电源插座 1*SYS_FAN排针 1*DDR4插槽 1*CPU_FAN排针 2*INVERT排针 2*EDP排针 1*Mini pcie插槽 (WIFI) 1*Mini pcie插槽 (MSATA) 6*COM排针 2*COM FUN跳线 2*JSATA供电接口
外置I/O接口	1*DC 12V接口 1*PS/2接口 1*COM口 1*LPT接口 1*VGA接口 2*USB3.0接口 5*LAN接口 2*USB2.0接口 1*AUDIO接口 (1*LINE OUT、1*MIC)
集成网卡	1*Realtek 8111H,10M/100M/1000M以太网控制器 4*Intel Ethernet Controller I211; 1GbE/100Mbps/10Mbps
扩展槽/口	1*Mini pcie插槽 (WIFI) / 1*Mini pcie插槽 (MSATA)
操作系统	Windows10/11, Linux



1	Front panel排针
2	SATA数据接口
3	FUSB排针
4	PWR54V1排针
5	散热片
6	SPEAK排针
7	VGA跳线
8	LPT排针
9	PS/2排针接口
10	2X2Pin电源插座
11	COM FUN跳线
12	SYS_FAN排针
13	DDR4插槽
14	CPU_FAN排针
15	INVERT排针
16	EDP排针
17	COM4排针
18	Mini pcie插槽 (WIFI)
19	COM3排针
20	Mini pcie插槽 (MSATA)
21	COM2排针
22	COM FUN跳线
23	JSATA供电接口

24	DC 12V接口	30	LAN接口
25	PS/2接口	31	USB2.0接口
26	COM口	32	LAN接口
27	LPT接口	33	LAN接口
28	VGA接口	34	AUDIO接口 (1*LINE OUT、1*MIC)
29	USB3.0接口		

POSKBRV20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		

(3) 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

(6) SPEAK排针

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

(8/26) LPT排针/接口

Location	Pin	Definition	Pin	Definition
LPT (2mm)	1	P_STB_R	2	P_AFD_R
	3	P_PD0_R	4	ERR-
	5	P_PD1_R	6	P_INIT_R
	7	P_PD2_R	8	P_SLIN_R
	9	P_PD3_R	10	GND
	11	P_PD4_R	12	GND
	13	P_PD5_R	14	GND
	15	P_PD6_R	16	GND
	17	P_PD7_R	18	GND
	19	ACK-	20	GND
	21	BUSY	22	GND
	23	PE	24	GND
	25	SLCT	26	NC

(11/21) 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
JP485	1	RS485D0
	2	RS485D-0
	3	RS485D1
	4	RS485D-1
	5	GND

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	

(12) SYS_FAN排针

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

(14) CPU_FAN排针

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

(16) EDP排针

Location	Pin	Definition	Pin	Definition
EDP1 (2mm)	1	EDP_VDD	2	EDP_VDD
	3	NC	4	
	5	GND	6	HPDET_EDP1
	7	EDP0N	8	EDP0P
	9	EDP1N	10	EDP1P
	11	NC	12	NC
	13	GND	14	GND
	15	EAUXN	16	EAUXP
	17	NC	18	NC
	19	NC	20	NC

Location	Pin	Definition
INVERT_EDP_1	1	GND
	2	GND
	3	BL_ADJ
	4	BKLT-EN
	5	+12V
	6	+12V

Location	Pin	Definition	Pin	Definition
EDP2 (2mm)	1	EDP_VDD	2	EDP_VDD
	3	NC	4	
	5	GND	6	HPDET_EDP1
	7	EDP0N	8	EDP0P
	9	EDP1N	10	EDP1P
	11	NC	12	NC
	13	GND	14	GND
	15	EAUXN	16	EAUXP
	17	NC	18	NC
	19	NC	20	NC

Location	Pin	Definition
INVERT_EDP_1	1	GND
	2	GND
	3	BL_ADJ
	4	BKLT-EN
	5	+12V
	6	+12V

(17/19/21) COM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		

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		

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	