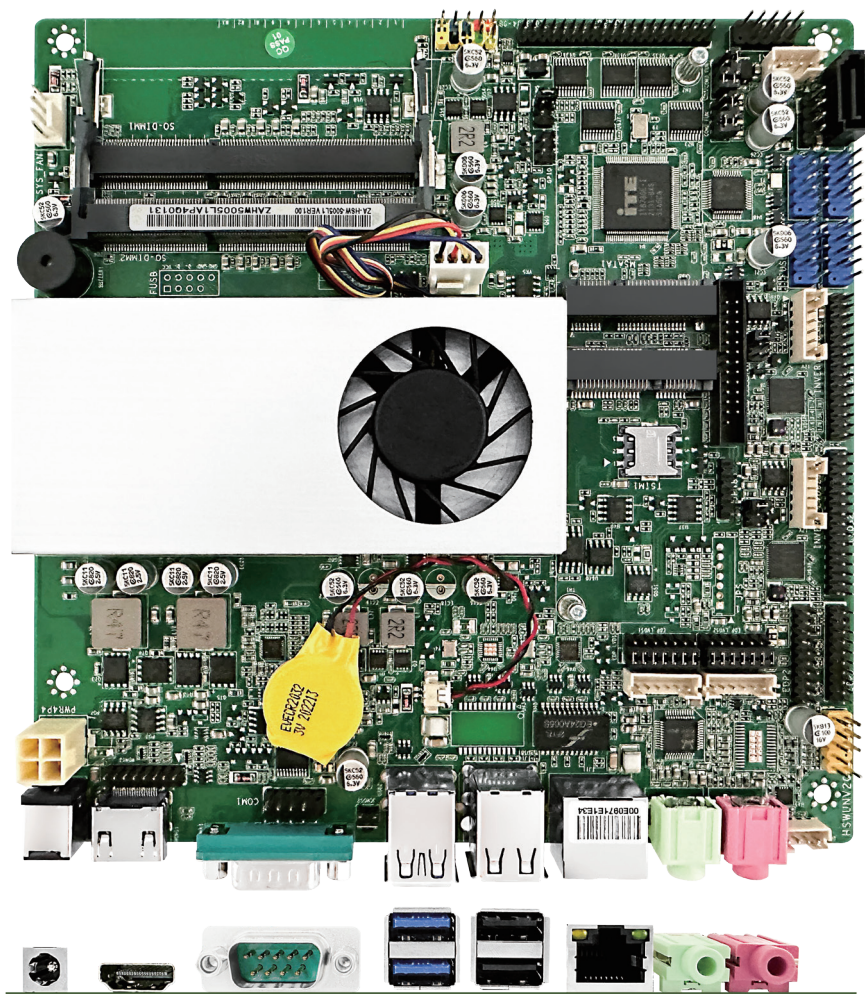


ZA-HW5005L1主板

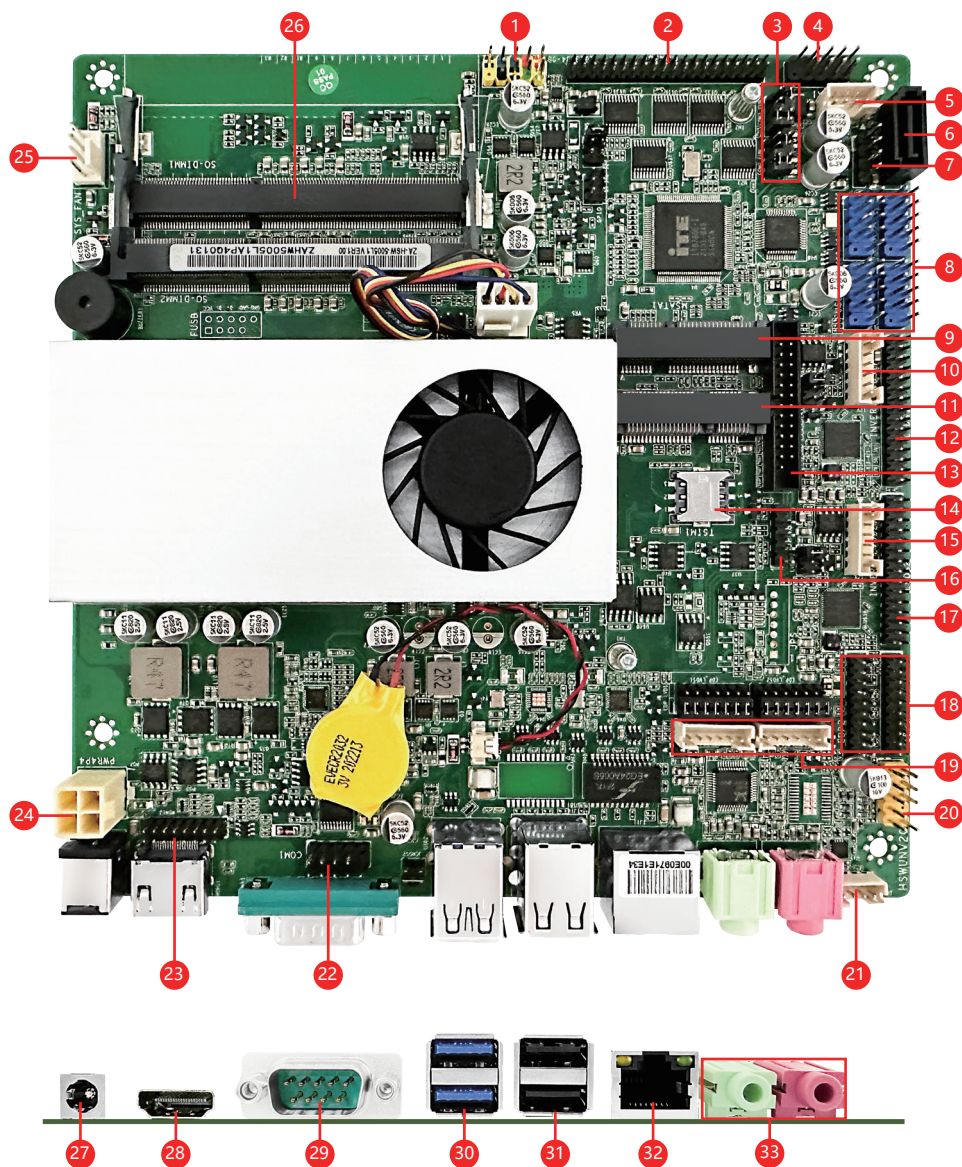
产品特性:

- 英特尔® 酷睿™ i3-5005U 处理器
- 支持2*EDP/2*LVDS/1*HDMI输出显示
- 支持13个USB (2*USB3.0接口/
2*USB2.0接口/9*USB2.0排针)



ZA-HW5005L1主板规格

板型尺寸	170mm*170mm
处理器	英特尔® 酷睿™ i3-5005U 处理器
内存	支持2个DDR3 1333/1600Mhz，最大支持16GB
BIOS	AMIBIOS 64Mbit 闪存
内置I/O接口	1*Front panel排针 1*COM36排针(COM5-COM6支持R485) 2*COM FUN跳线 2*COM1/2排针 1*JSATA供电接口 1*SATA数据接口 5*FUSB1-5排针(支持9个USB2.0接口) 2*INVERT_LVDS排针 2*LVDS排针(可选2*EDP排针) 1*LPT排针 1*TISM卡槽 1*JP485排针 2*EDP排针 2*INVERT_EDP排针 1*AUDIO排针 1*SPK排针(2.8W/CH) 1*HDMI排针 1*4Pin电源插座 1*CPU_FAN排针
外置I/O接口	1*DC 12V接口 1*HDMI接口 1*COM口 2*USB3.0接口 1*LAN口 2*USB2.0接口(可选一个1*LAN口) 2*AUDIO接口 (1*LINE OUT、1*MIC)
集成网卡	1*Realtek 8111H,1Gbps/100Mbps/10Mbps以太网控制器
扩展槽/口	1*Mini pcie 插槽(MSATA) / 1*Mini pcie 插槽(WIFI)
操作系统	Windows7/10, Linux



1	Front panel排针
2	COM36排针
3	COM FUN跳线
4	COM排针
5	JSATA供电接口
6	SATA数据接口
7	FUSB2排针
8	FUSB1/3/4/5排针
9	Mini pcie插槽 (MSATA)
10	INVERT_LVDS排针
11	Mini pcie插槽 (WIFI)
12	LVDS排针
13	LPT排针
14	TISM卡槽
15	INVERT_LVDS排针
16	JP485排针
17	LVDS排针
18	EDP排针
19	INVERT_EDP排针

20	AUDIO排针	27	DC 12V接口
21	SPK排针(2.8W/CH)	28	HDMI接口
22	COM排针	29	COM接口
23	HDMI排针	30	USB3.0接口
24	4Pin电源插座	31	USB2.0接口
25	CPU_FAN排针	32	LAN口
26	DDR3内存槽	33	AUDIO接口 (1*LINE OUT、1*MIC)

ZA-HW5005L1主板定义

(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		

(2) COM36 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

(3) COM FUN Jumper

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

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

(4/22) COM Pin

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		

(7/8) FUSB1-5 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

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

Location	Pin	Definition	Pin	Definition
FUSB4 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	FDM3	4	FDM4
	5	FDP3	6	FDP4
	7	GND	8	GND
	9	NC	10	GND

Location	Pin	Definition	Pin	Definition
FUSB5 (2.54mm)	1	5V_RUN	2	5V_RUN
	3	FDM5	4	FDM6
	5	FDP5	6	FDP6
	7	GND	8	GND
	9	NC	10	GND

(10/15) INVERT_LVDS Pin

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

(12/17) LVDS Pin

Location	Pin	Definition	Pin	Definition
LVDS (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

(16) J485 Pin

Location	Pin	Definition
J485	1	COM2_485+
	2	COM2_485-
	3	COM3_485+
	4	COM3_485-
	5	GND

(18) EDP Pin

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

(20) AUDIO Pin

Location	Pin	Definition	Pin	Definition
AUDIO (2.54mm)	1	MIC1_L	2	GND
	3	MIC1_R	4	NC
	5	LINEOUT_R	6	MIC1_JD
	7	GND	8	
	9	LINEOUT_L	10	LINEOUT_JD

(21) SPK Pin

Location	Pin	Definition
SPK1	1	SPKOUT_L-
	2	SPKOUT_L+
	3	SPKOUT_R-
	4	SPKOUT_R+

(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

(25) CPU_FAN Pin

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