

[H110T52W]

[User's Manual]



六联智能
SIXUNITED

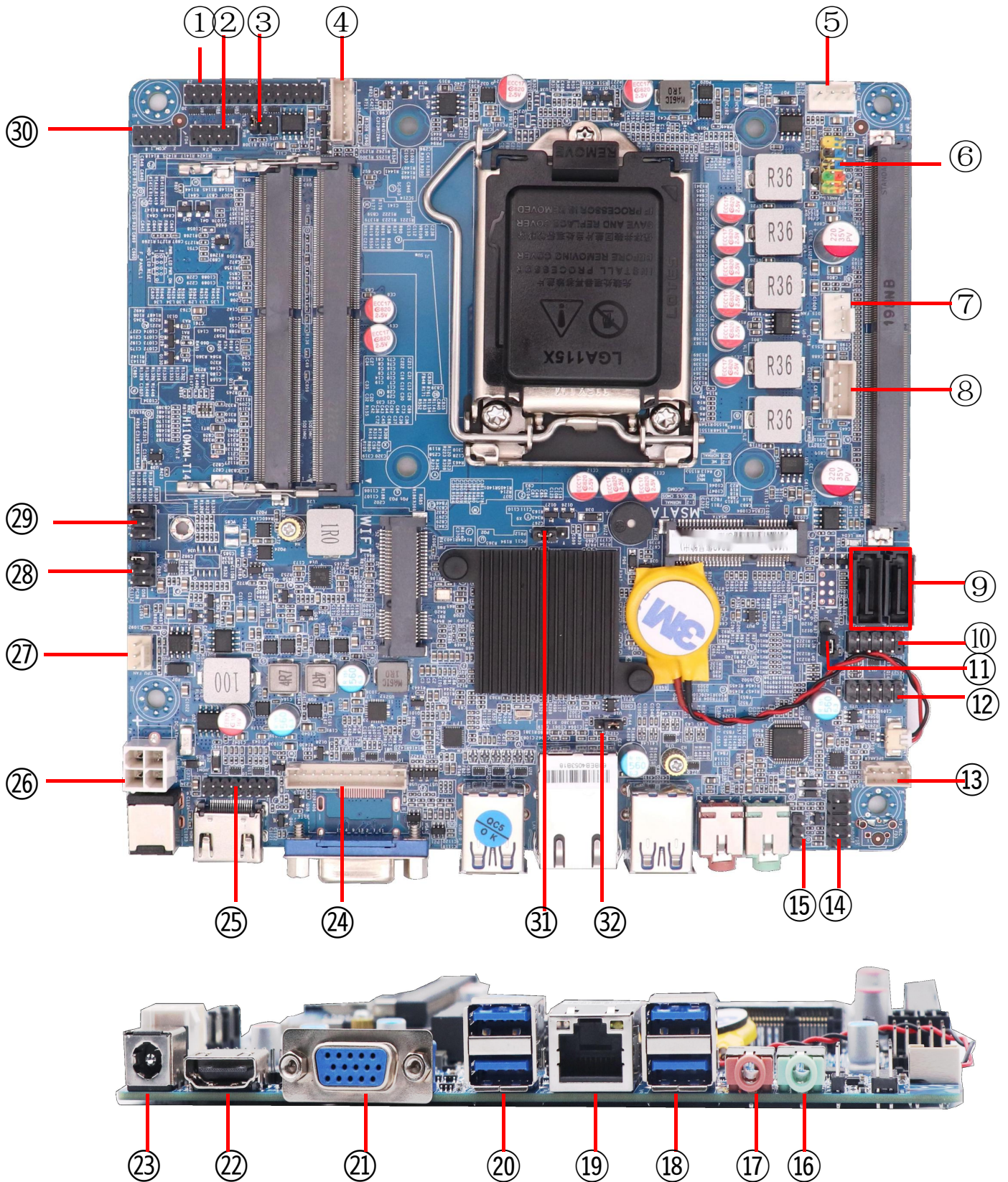
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1. Specifications

model	H110T52W
CPU	Support Intel Intel SKL-S/KBL-S TDP support 35-65W H110T52W-SKU#4: H110T52W-SKU#5:
Chipset	H110
Memory	2*DDR4 SO-DIMM, Up to 32GB
Graphics	1*HDMI 2.0b, Maximum solution 4096x2160@60Hz 1*LVDS,Maximum solution 4096x2160@60Hz 1*VGA or 1*DP Maximum solution 1920x1200@60Hz 1*MXM slot
Storage	2*SATA3.0 1*mSATA
LAN	1*Realtek RTL8111H 1000M LAN
Serial Port	2 COM, COM1 RS232/485 optional, COM2 RS232
Rear I/O	1*12V DC_IN 1*HDMI 1*VGA 1*2 layer USB3.2 Gen1 1*RJ45 1*Line_out 1*MIC_IN
Front I/O	NA
Internal I/O	1*DC Jack 1*F_panel 2*USB 2.0 header (2*5) 1*JHDMI 2*SATA 1*VGA 1*SATA PWR 2*SPK 1*LVDS 2*COM 1*CPU FAN 1*LVDS PWR 1*MXM slot 1*SYS FAN 1*LVDS PWR 1*F_audio 1*DIS_FAN
Size	170mm *170mm
Temperature	Operation: -20~55°C
Power Input	DC 12V/19V

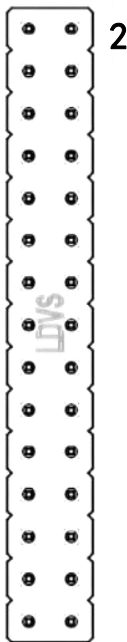
2. Locations



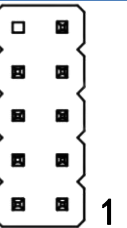
Locations	
1	LVDS
2	JCOM_2
3	LVDS PWR
4	INVERT
5	SYS_FAN
6	F_PANEL
7	DIS_FAN
8	SATA_PWR
9	SATA
10	F_USB1
11	JCOMS
12	F_USB2
13	SPK
14	F_AUDIO
15	SPK_F
16	Earphone
17	Mic
18	1*2 layer USB 3.2 Gen1
19	RJ45
20	1*2 layer USB 3.2 Gen1
21	VGA
22	HDMI
23	DC_IN
24	VGA_H
25	JHDMI
26	ATX PWR
27	CPU_FAN
28	JP1
29	JP2
30	J_COM1
31	AUTO_ON
32	JME

3. Connector and Jumper Setting

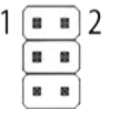
1) LVDS

Graphic	PIN	Define	PIN	Define
	1	VDD1	2	VDD2
	3	VDD3	4	GND1
	5	GND2	6	GND3
	7	A0N	8	A0P
	9	A1N	10	A1P
	11	A2N	12	A2P
	13	GND4	14	GND5
	15	ACKN	16	ACKP
	17	A3N	18	A3P
	19	B0N	20	B0P
	21	B1N	22	B1P
	23	B2N	24	B2P
	25	GND6	26	GND7
	27	BCKN	28	BCKP
29	B3N	30	B3P	

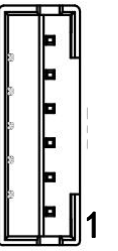
2) JCOM_2

Graphic	PIN	Define	PIN	Define
	1	DCD#	2	RXD#
	3	TXD#	4	DTR#
	5	GND	6	DSR#
	7	RTS#	8	CTS#
	9	RI#	10	N/A

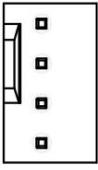
3) LVDS_PWR

Graphic	Setting	Function
	1-2 (Default)	LCD_VDD 3.3V
	3-4	LCD_VDD 5V
	5-6	LCD_VDD 12V

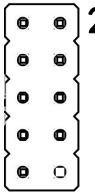
4) INVERT

Graphic	PIN	Define
	1	+12V
	2	+12V
	3	BACKLIGHT
	4	BKLTCTL
	5	GED
	6	GND

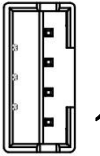
5) SYS_FAN

Graphic	PIN	Define
	1	GND
	2	+12V
	3	FAN_TAC2
	4	FAN_PWM2

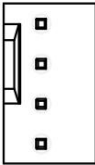
6) FPANEL

Graphic	PIN	Define	PIN	Define
	1	HDD_LED+	2	PWRLED+
	3	HDD_LED-	4	GND
	5	GND	6	GND
	7	RERST_BTN	8	P_SWIN
	9	GND		

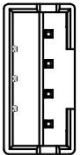
7) INVENTER1

Graphic	PIN	Define
	1	+12V
	2	BKLT_ON
	3	BKLT_PWM1
	4	GND

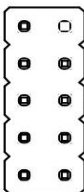
8) DIS_FAN

Graphic	PIN	Define
	1	GND
	2	+12V
	3	FAN_TAC2
	4	FAN_PWM2


9) SATA_PWR1

Graphic	PIN	Define
	1	+12V
	2	GND
	3	GND
	4	+5V


10) F_USB 1、2

Graphic	PIN	Define	PIN	Define
	1	+5V	2	+5V
	3	USB1_DATA-	4	USB2_DATA-
	5	USB1_DATA+	6	USB2_DATA+
	7	GND	8	GND
	9	NA	10	NA

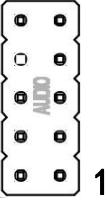
11) JCOMS

Graphic	Setting	Function
 1	1-2	CLEAR CMOS
	2-3 (Default)	Normal


12) SPEAKER

Graphic	PIN	Define
 1	1	SPK_LN
	2	SPK_LP
	3	SPK_RN
	4	SPK_RP

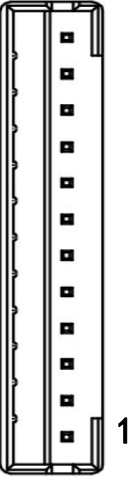
13) F AUDIO1

Graphic	PIN	Define	PIN	Define
 2 1	1	MIC2_L	2	GND
	3	MIC2_R	4	GND
	5	LINE2-R	6	MIC2_JD
	7	GND	8	NA
	9	LINE2-L	10	LINE2-JD

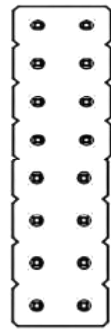
14) SPK_F

Graphic	PIN	Define
 1	1	LINE2_L
	2	LINE2_R
	3	GND_AUD

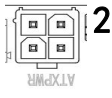
15) VGA_H

Graphic	PIN	Define
 1	1	GND
	2	VSYNC
	3	HSYNC
	4	GND
	5	RED
	6	GND
	7	GREEN
	8	GND
	9	BLUE
	10	GND
	11	DCC_DATA
	12	DCC_CLK

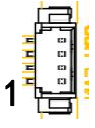
16) JHDMI

Graphic	PIN	Define	PIN	Define
	1	TXP2	2	SCLDDC
	3	TXN2	4	SDADDC
	5	TXP1	6	N/A
	7	TXN1	8	PLUGC
	9	TXP0	10	5V_HDMI
	11	TXN0	12	GND
	13	TXCP	14	GND
	15	TXCN	16	GND

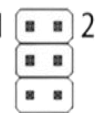
17) DC_ATX

Graphic	PIN	Define	PIN	Define
	1	GND	2	GND
	3	+12V	4	+12V

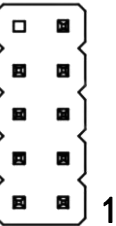
18) CPU FAN

Graphic	PIN	Define
	1	GND
	2	+12V
	3	FAN_TAC2


19) JP1、JP2

Graphic	Setting	Function
	1-2	+5V
	3-4	+12V
	5-6 (Default)	RI


20) JCOM_1

Graphic	PIN	Define	PIN	Define
	1	DCD#/ DATA-	2	RXD#/ DATA+
	3	TXD#/ N/C	4	DTR#/ N/C
	5	GND	6	DSR#/ N/C
	7	RTS#/ N/C	8	CTS#/ N/C
	9	RI#/ N/C	10	N/A

21) JME

Graphic	PIN	Define
1 	1	+3.3V
	2	AUD_SDO
	3	GND

22) AUTO_ON

Graphic	Setting	Function
1 	1-2	AT Mode
	2-3 (Default)	ATX Mode