

[JSLVA]

[User's Manual]



六联智能
SIXUNITED

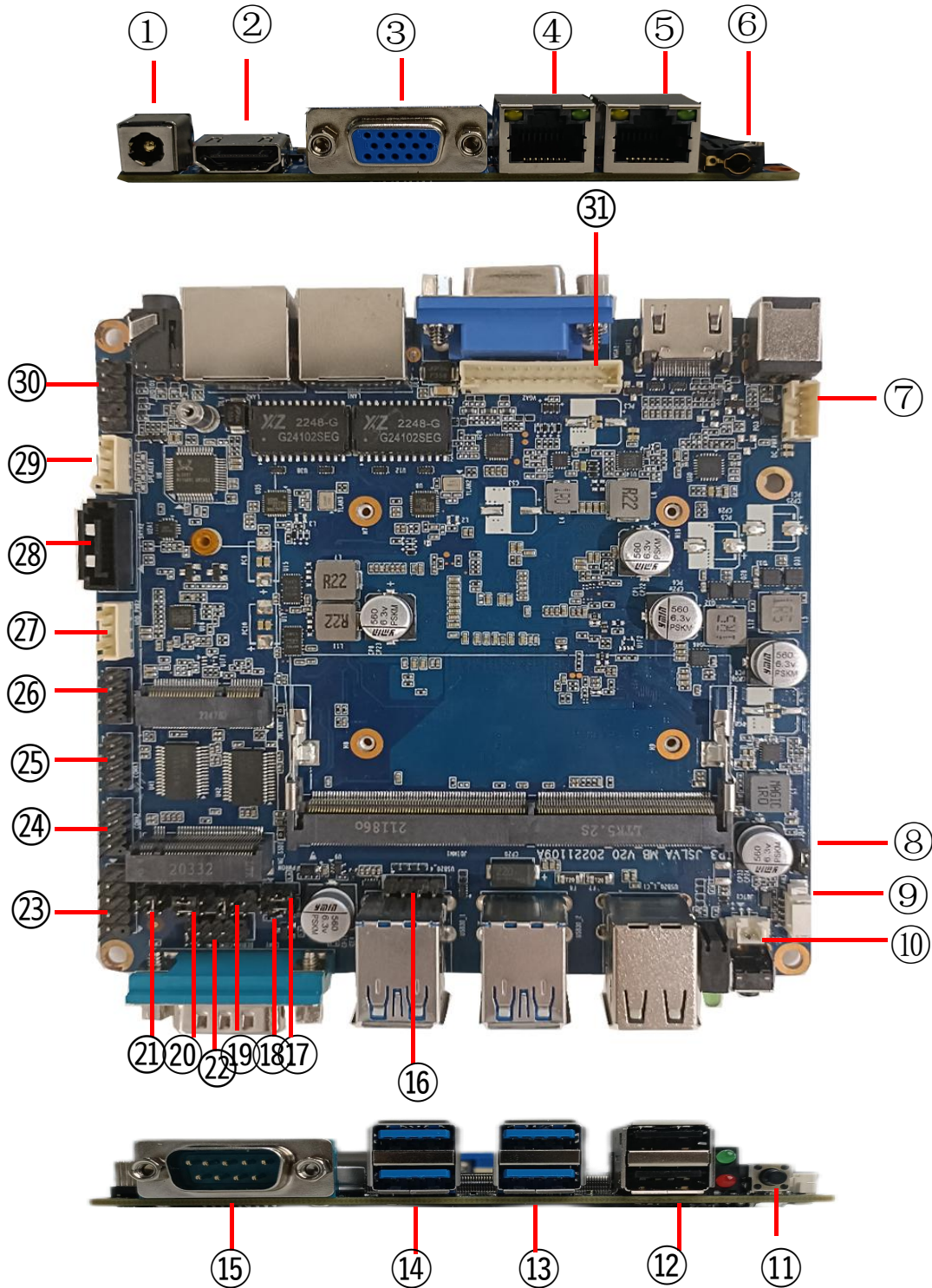
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1. Specifications

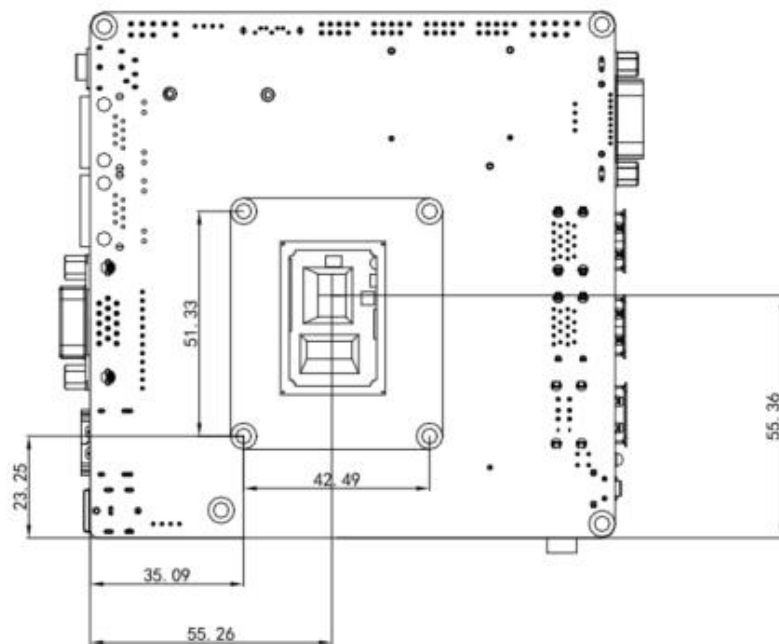
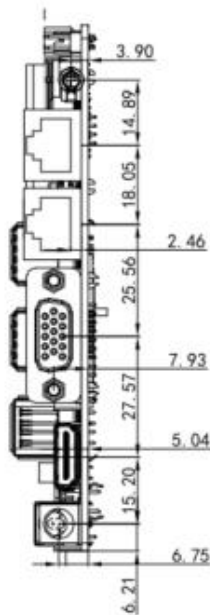
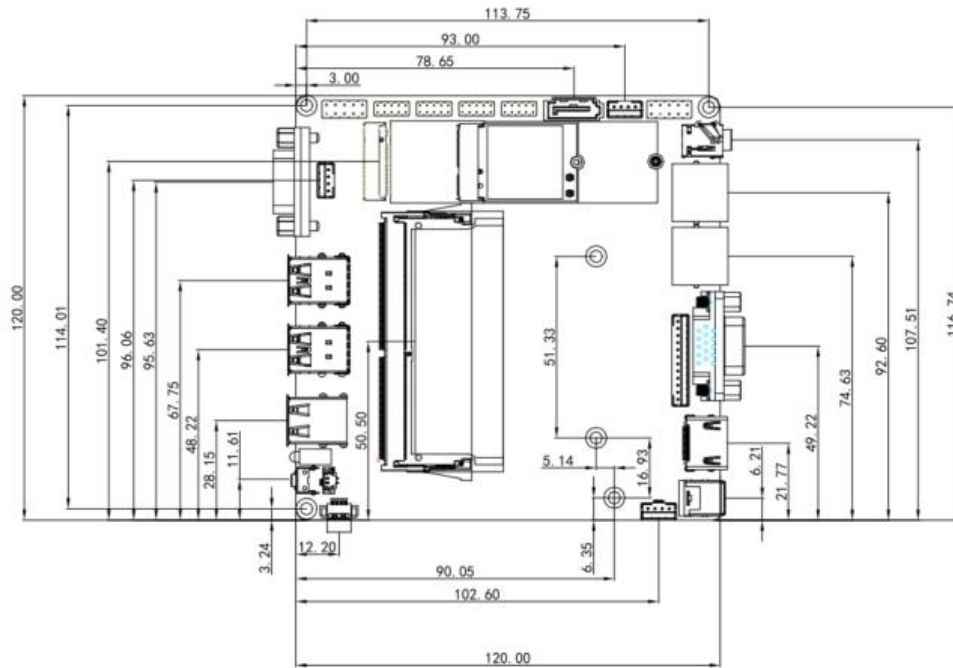
Model	JSLVA
CPU	Support Intel Jasper Lake CPU JSLVA-SKU#4: N5100/4C/4T/Burst Freq 2.8 Ghz/TDP up to 6W JSLVA-SKU#5: N5095/4C/4T/Burst Freq 2.9 Ghz/TDP up to 15W JSLVA-SKU#6: N5095A/4C/4T/Burst Freq 2.9 Ghz/TDP up to 15W
Memory	1*DDR4 SO-DIMM, Single Channel, Up to 16GB
Graphics	1*HDMI 1.4b, Maximum resolution 4096x2160@30Hz 1*VGA, Maximum resolution 1920x1200@60Hz
Storage	1*M.2 M Key 2260 (without WiFi) /2280, Support SATA3.0 1*SATA3.0
LAN	2*Realtek RTL8111H 1000M LAN
Serial Port	4, COM2 RS232/485 optional, COM1,COM3~COM4 RS232
USB	4*USB3.2 Gen1, 3*USB2.0
Rear IO	1*12V 5525 DC_JACK 1*HDMI1.4_OUT 1*VGA 2*RJ45 1*Audio (MIC+earphone combo)
Front I/O	1*2 layer USB2.0 2*2 Layer USB 3.2 Gen1 1*COM (RS232)
Internal I/O	1*M.2 M Key 2242/2280 for SSD (SATA3.0) 1*M.2 E Key 2230 for WIFI (PCIe&USB&CNVI) 1*VGA 3*COM 1*SATA 1*SATA POWER 1*5V CPU FAN 1*Auto Power On Jumper 1*Clear CMOS 1*USB2.0 Header(1 USB 2.0 interface can be expanded) 1*F PANEL 1*F AUDIO 1*Internal Stereo Speaker (3W4Ω) 1*DC_IN
Size	120mm *120mm
Temperature	Operation: -10~60°C, Storage: -40~85°C
Relative Humidity	Operation: 10~90%, Storage: 5~95%
Power Input	DC 12V

2. Locations




Locations	
1	DC IN
2	HDMI
3	VGA
4	LAN1
5	LAN2
6	COMBO JACK
7	DC IN
8	CLEAR CMOS
9	CPU FAN
10	RTC CON
11	POWER BUTTON
12	USB2.0*2
13	USB3.0*2
14	USB3.0*2
15	COM1
16	USB2.0 HEADER
17	PWR ON
18	AUTO PWRON
19	J2C1
20	J1C1
21	J1C2
22	DEBUG CON
23	FPANEL
24	COM2
25	COM3
26	COM4
27	HDD PWR2
28	SATA2
29	SPEAKER
30	F_AUDIO1
31	VGA2

3. Dimension

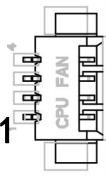


4. Connector and Jumper Setting


1) CLEAR CMOS

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


2) CPU FAN

Graphic	PIN	Define
	1	GND
	2	+V5S
	3	FAN1_TACH
	4	FAN1_PWM


3) RTC CON

Graphic	PIN	Define
	1	VRTC_BAT
	2	GND

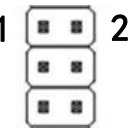
4) PWR ON

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

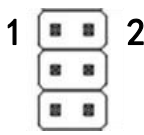
5) AUTO PWRON

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

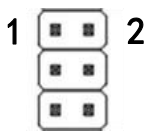
6) J2C1(COM2)

Graphic	Setting	Function
	1-2 (Default)	RS232
	3-4	RS485
	5-6	RS485

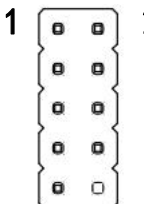
7) J1C1(COM2)

Graphic	Setting	Function
	1-3	RS232
	2-4 (Default)	
	3-5	RS485
	4-6	

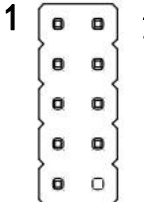
8) J1C2(COM2)

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

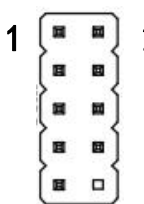
9) DEBUG CON

Graphic	PIN	Define	PIN	Define
	1	+V3.3S	2	PLTRST_C
	3	ESPICK	4	ESPI[0]
	5	ESPI_CS#	6	ESPI[1]
	7	ESPI[3]	8	ESPI[2]
	9	GND		


10) FPANEL

Graphic	PIN	Define	PIN	Define
	1	HDLED+	2	PWRLED+
	3	HDLED-	4	GND
	5	GND	6	PWRRSW_N
	7	RERST_BTN	8	GND
	9	NA		

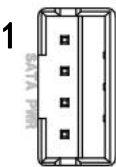
11) COM2~4

Graphic	PIN	Define	PIN	Define
	1	COM2_DCD_CN	2	COM2_RXD_CN
	3	COM2_TXD_CN	4	COM2_DTR_CN
	5	GND	6	COM2_DSR_CN
	7	COM2_RTS_CN	8	COM2_CTS_CN
	9	COM2_RI_CN		

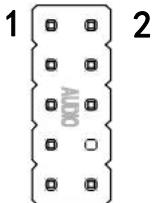
12) HDD PWR2

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


13) SPK

Graphic	PIN	Define
	1	SPKR_RN_CON
	2	SPKR_RP_CON
	3	SPKR_LN_CON
	4	SPKR_LP_CON

14) F ADUIO

Graphic	PIN	Define	PIN	Define
	1	MIC2_L	2	GND_AUD
	3	MIC3_R	4	+3.3VD
	5	LINE2-R	6	MIC2_JD
	7	GND_AUD	8	NA
	9	LINE2-L	10	LINE2-JD

15) VGA2

Graphic	PIN	Define
	1	GND
	2	VSOUT
	3	HSOUT
	4	GND
	5	VGA_R+
	6	GND
	7	VGA_G+
	8	GND
	9	VGA_B+
	10	GND
	11	VGA_DDCSDA
	12	VGA_DDCSCL