

[H110A94W]

[User's Manual]



六联智能
SIXUNITED

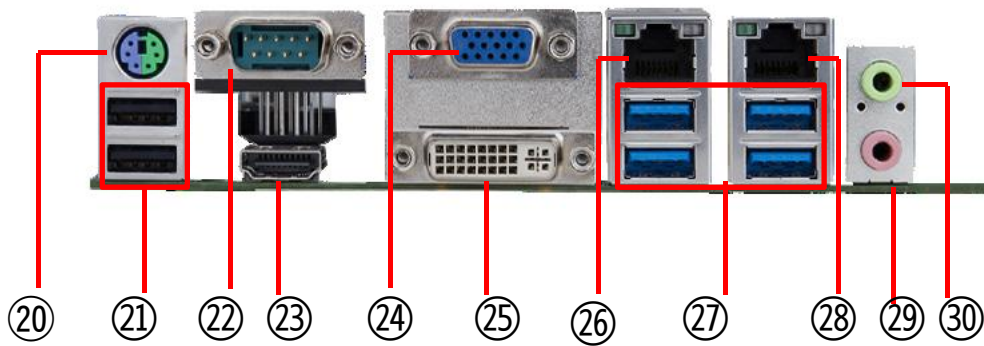
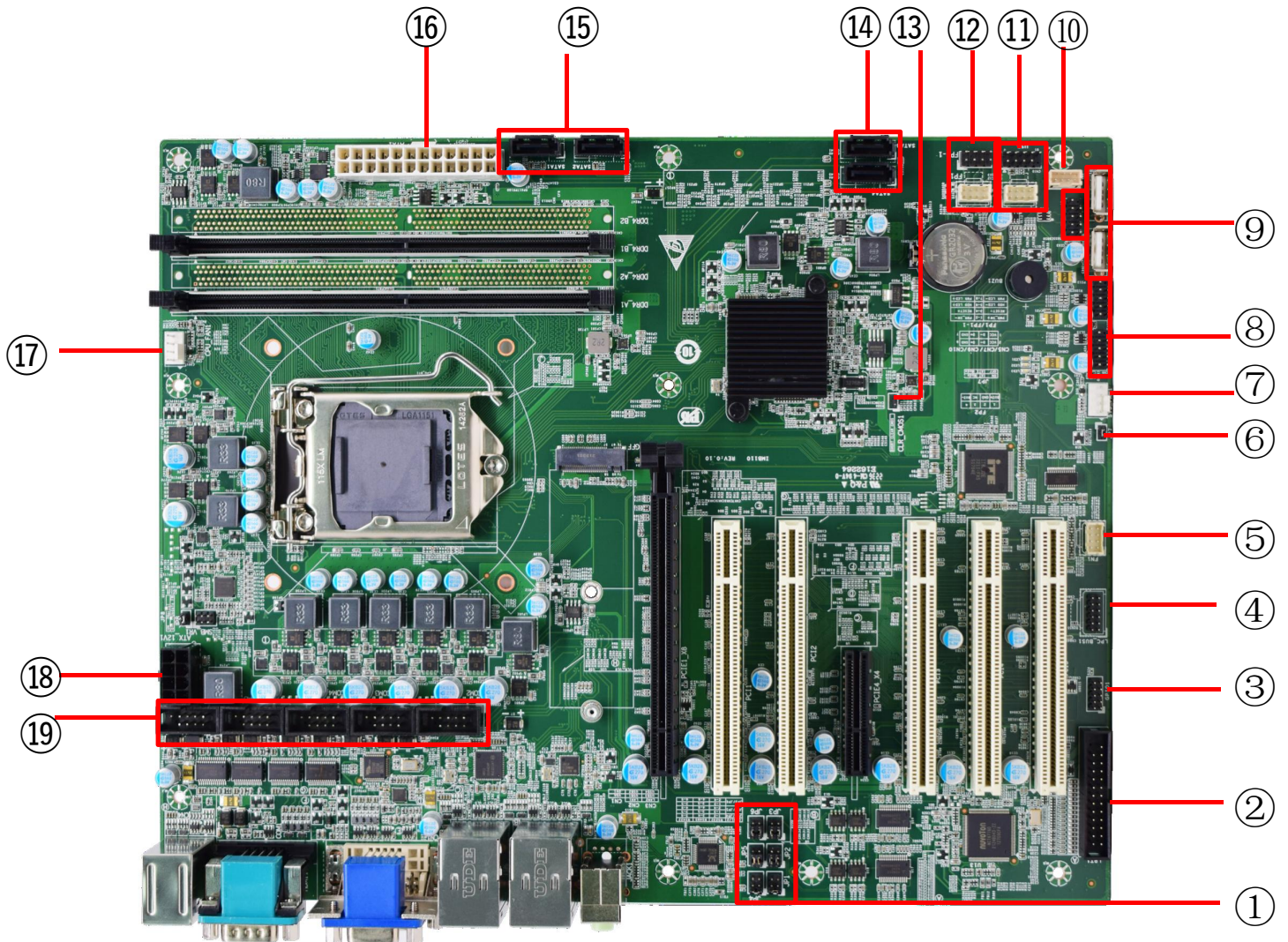
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1. Specifications

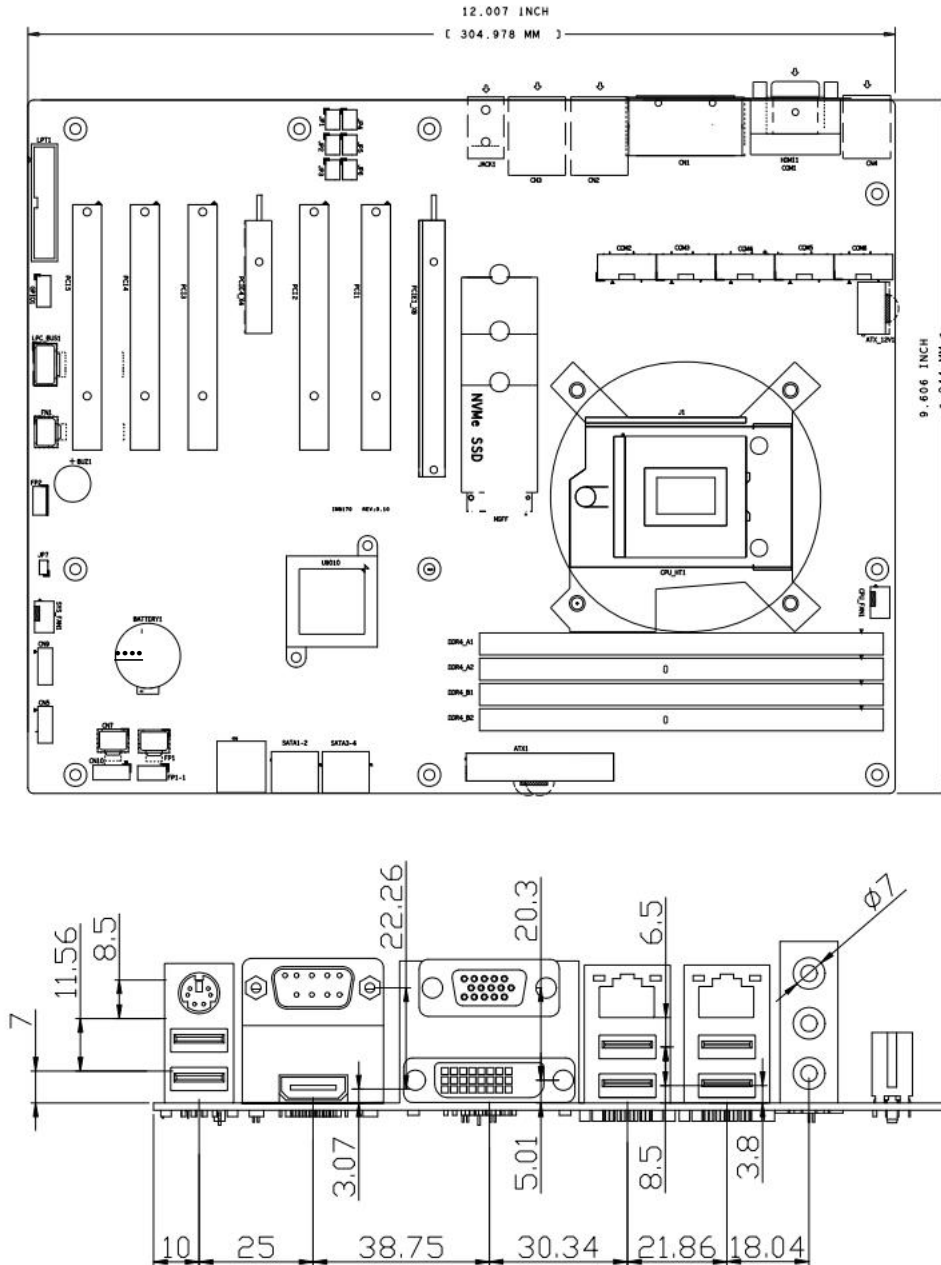
model	H110A94W
CPU	intel LGA1151 6/7/8/9 Gen celeron/Pentium/core I3/I5/I7/I9 processor
Chipset	H110
Memory	2*DDR4 U-DIMM,Up to 2600Mhz, Up to 32GB
Graphics	1*HDMI 1.4,Maximum resolution 4096x2160@30Hz 1*LVDS,Maximum resolution 4096x2160@60Hz 1*DVI-D,Maximum resolution 2560x1600,60Hz/1920x1080,120Hz
Storage	4*SATA3.0 1*M.2 2242/2280 NVME/SATA SSD
LAN	2* LAN, LAN1: Intel I219LM, LAN2: Intel I211AT
Serial Port	6 COM, COM1 DB9,COM2 Internal header,COM1~COM2 RS232/422 /485 mode optional, COM3~COM6 Internal header standrad RS232 mode
Rear I/O	1*PS/2(2 in 1) 1*HDMI 1.4 1*VGA 1*DVI-D 2*RJ45 2*USB 2.0 4*USB 3.0 1*Line_out 1*MIC_IN
Front I/O	NA
Internal I/O	1*LPT 1*GPIO 1*CPU FAN+1*SYS FAN 1*F_Panel 5*COM 4*SATA 1*LPC 1*Clear CMOS 2 *USB2.0 (USB Dongle) 6 *USB2.0 Header
Size	305mm×244mm
Temperature	Operation: 0~60°C, Stroage:-40~80°C
Humidity	5%~95%,Non-condensing
Power Input	24+8 ATX PWR

2. Locations



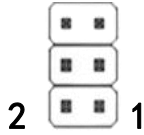
Locations	
1	JP1-JP6 COM Jumper(232/422/485)
2	LPT
3	GPIO
4	LPC_BUS1
5	FAN1
6	Auto PWR ON (JP7)
7	SYS_FAN1
8	USB header (CN5/CN6)
9	USB header and USB (CN11)
10	SPK-FP2
11	USB header and USB (CN10)
12	F_Panel1/F_panel1-1
13	CLR_CMOS1
14	SATA3/SATA4
15	SATA1/SATA2
16	ATX1
17	CPU_FAN1
18	ATX_12V
19	COM header
20	PS/2
21	USB2.0
22	COM
23	HDMI
24	VGA
25	DVI
26	LAN
27	USB 3.0
28	LAN
29	Mic-In
30	Line-Out

3. Dimension

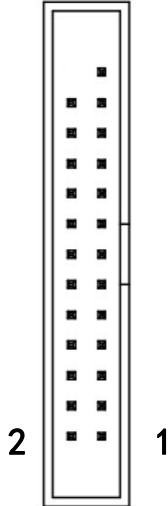


4. Connector and Jumper Setting

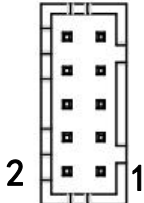
1) JP1~JP6

Graphic	COM1/2	RS232	RS485	RS422
	JP1/JP4	1-2	3-4	5-6
	JP2/JP5	1-3	3-5	3-5
		2-4	4-6	4-6
	JP3/JP6	1-3	3-5	3-5
		2-4	4-6	4-6

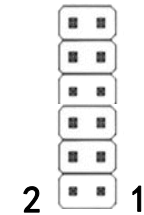
2) LPT

Graphic	PIN	Define	PIN	Define
	1	STRB	2	AFD
	3	PD0	4	ERR
	5	PD1	6	INIT
	7	PD2	8	SLIN
	9	PD3	10	GND
	11	PD4	12	GND
	13	PD5	14	GND
	15	PD6	16	GND
	17	PD7	18	GND
	19	ACK	20	GND
	21	BUSY	22	GND
	23	PE	24	GND
	25	SLCT	26	N/A

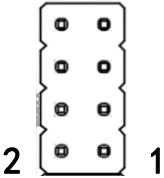
3) GPIO

Graphic	PIN	Define	PIN	Define
	1	INPUT 0	2	OUTPUT 0
	3	INPUT 1	4	OUTPUT 1
	5	INPUT 2	6	OUTPUT 2
	7	INPUT 3	8	OUTPUT 3
	9	GND	10	NC/5V


4) LPC_BUS1

Graphic	PIN	Define	PIN	Define
	1	+3V	2	PLTRST
	3	LPC_CLK	4	LPC_AD0
	5	LPC_FRAME	6	LPC_AD1
	7	LPC_AD3	8	LPC_AD2
	9	GND	10	SERIRQ
	11	GND	12	+5V


5) FN1

Graphic	PIN	Define	PIN	Define
	1	VCC5SB	2	SIO_SMBDAT
	3	SMB_DA	4	SIO_SMBCLK
	5	SMB_CK	6	PWR_SW+
	7	GND	8	RST+

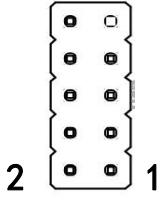
6) JP7

Graphic	PIN	Define	PIN	Define
	1-2	ATX mode	1-2	

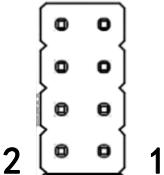
7) CPU FAN & SYS FAN

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


8) USB

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	/	10	GND

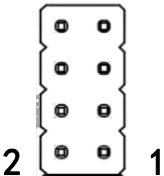
9) USB

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


10) FP2

Graphic	PIN	Define	PIN	Define
	1	BUZ+	2	GND
	3	NC	4	BUZ-

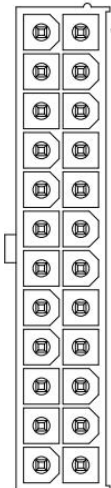
11) FP1

Graphic	PIN	Define	PIN	Define
	1	PWR_SW+	2	PWR_SW-
	3	RESET-	4	RESET+
	5	HDD LED-	6	HDD LED+
	7	PWR LED-	8	PWR LED+

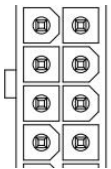
12) Clear CMOS

Graphic	PIN	Function
 1	1-2	Clear CMOS

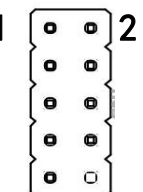
13) ATX1

Graphic	PIN	Define	PIN	Define
 1	1	+3.3V	2	+3.3V
	3	GND	4	+5V
	5	GND	6	+5V
	7	GND	8	POK
	9	5VSB	10	+12V
	11	+12V	12	+3.3V
	13	+3.3V	14	-12V
	15	GND	16	PSON/#
	17	GND	18	GND
	19	GND	20	NC
	21	+5V	22	+5V
	23	+5V	24	GND

14) ATX_12V

Graphic	PIN	Define	PIN	Define
 1	1	GND	2	GND
	3	GND	4	GND
	5	+12V	6	+12V
	7	+12V	8	+12V

15) COM

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