

[H510K52]

[User's Manual]



六联智能
SIXUNITED

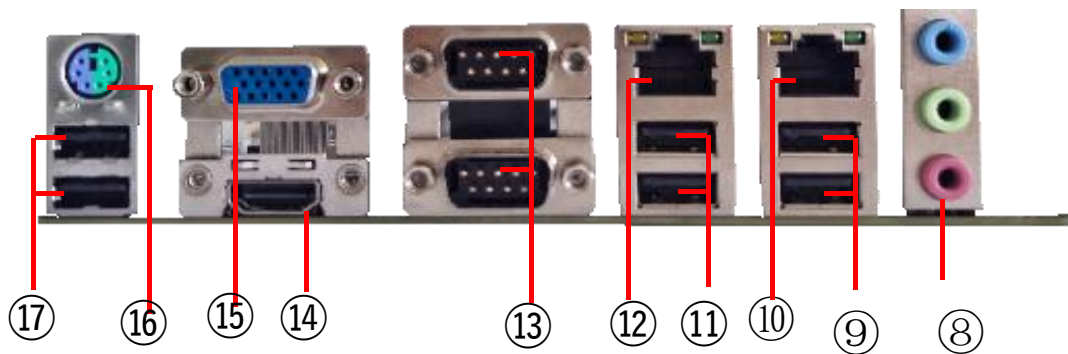
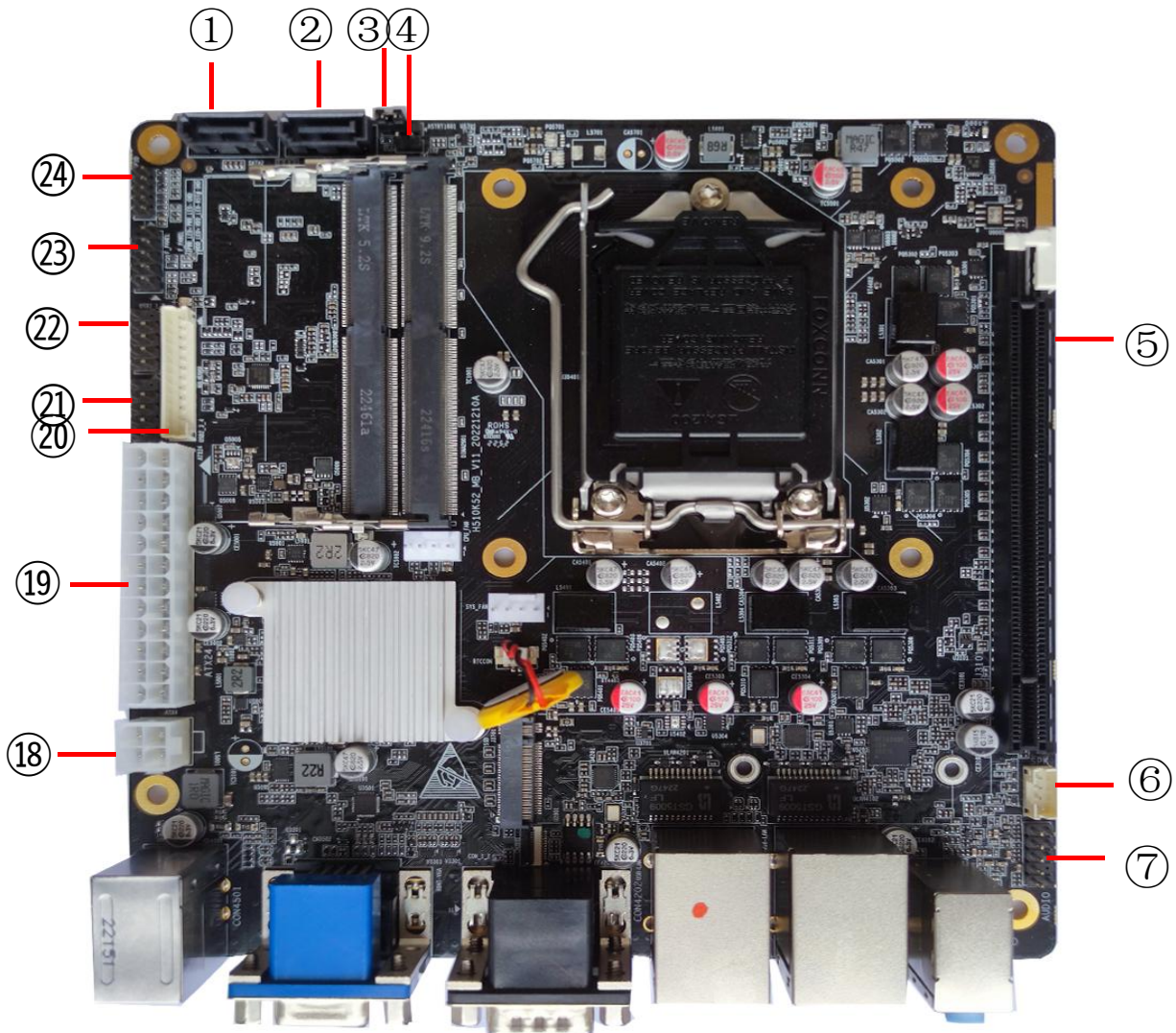
Contents

1. Specifications	1
2. Locations	2
3. Dimension	4
4. Connector and Jumper Setting	5
1) GPIO.....	5
2) CLEAR CMOS.....	5
3) FPANEL.....	5
4) USB2.0.....	5
5) SPEAKER.....	5
6) F_AUDIO.....	5
7) SYS_FAN.....	6
8) CPU_FAN.....	6
9) VGA2.....	6

1. Specifications

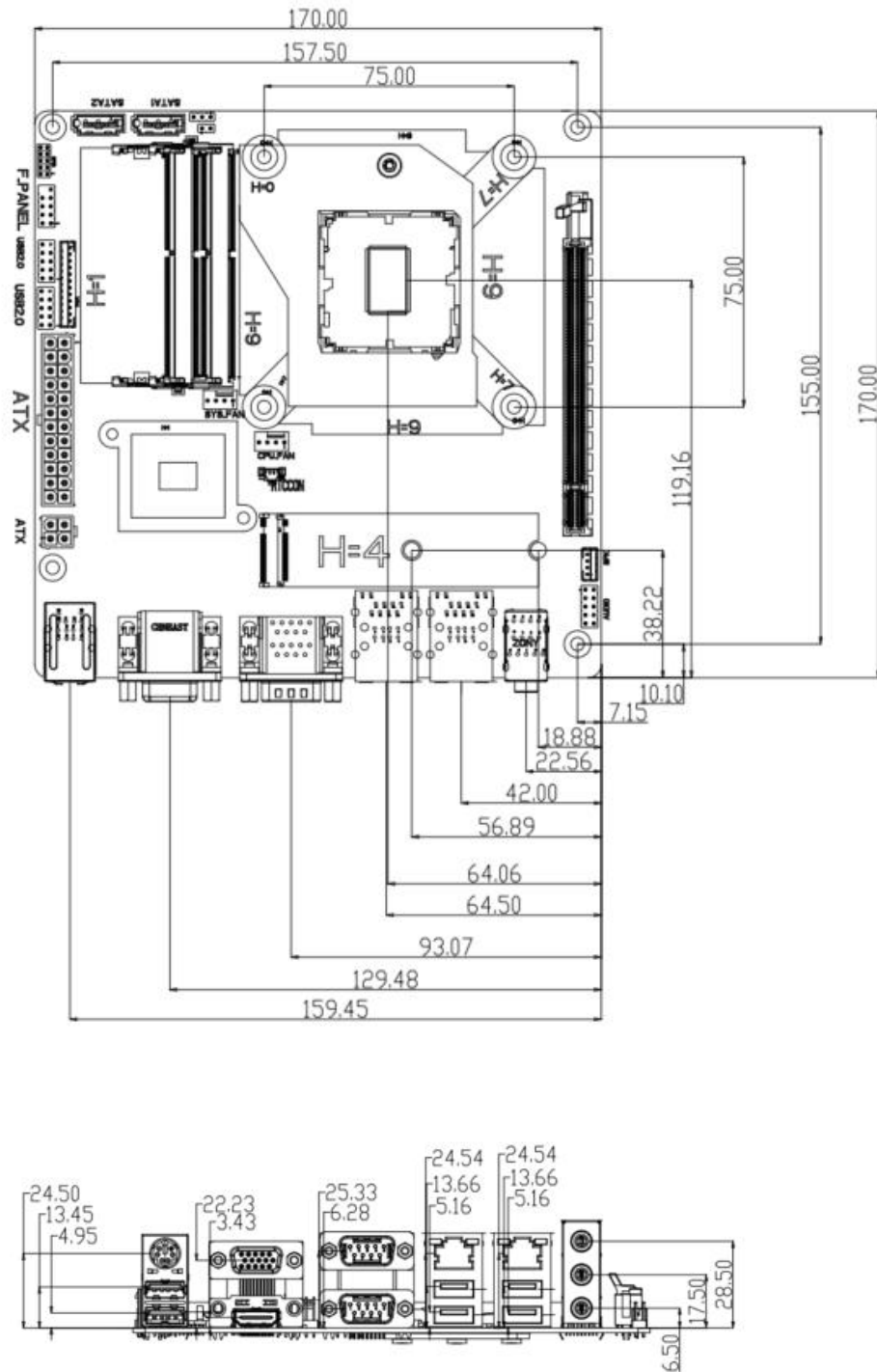
Model	H510K52
CPU	Support Intel Rocket Lake-S/ Comet Lake-S 65W i5 and below CPU H510K52-SKU#3 :G5905/Base Freq 3.5Ghz/2C/2T/TDP up to 58W
Chipset	H510
Memory	2*DDR4 SO-DIMM, Single Channel, Up to 64GB
Graphics	1*HDMI 1.4b, Maximum resolution 4096x2160@30Hz 1*VGA, Maximum resolution 1920x1200@60Hz
Storage	1*M.2(M Key)2242/2280 PCIE3.0x4 SSD 2*SATA
LAN	2*Realtek RTL8111H 1000M LAN
Serial Port	4COM ,COM1~COM4 RS232
Rear I/O	6*USB2.0 1*VGA 1*HDMI 2*RJ45 2*COM (RS232) 1*PS2(2 in 1) 1*Line_out+1*Line_IN+1*MIC_IN
Internal I/O	1*M.2 2242/2280 for SSD(PCIE3.0x4) 2*USB2.0 Header(2*5) 1*F PANEL(2*5) 1*F AUDIO(2*5) 2*SATA 3.0 1*12V SYS FAN 1*12V CPU FAN 1*VGA(1*12) 2*COM(RS232) 1*GPIO 1*Clear CMOS 1*ATX PWR 1*SPK
Size	170mm *170mm
Temperature	Operation: 0~50°C, Storage: -40~85°C
Relative Humidity	Operation: 10~90%, Storage: 5~90%
Power Input	ATX 24+4 150-200W

2. Locations



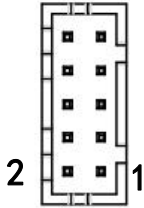
Locations	
1	SATA2
2	SATA1
3	CLEAR CMOS
4	ChassisOpen
5	PCIEx16
6	SPK
7	F_AUDIO
8	1*Line_out+1*Line_IN+1*MIC_IN
9	2*USB 2.0
10	RJ45
11	2*USB 2.0
12	RJ45
13	2*COM
14	HDMI
15	VGA
16	PS2(2 in 1)
17	2*USB2.0
18	ATX PWR (24+4)
19	
20	VGA
21	USB2.0
22	USB2.0
23	F_PANEL
24	GPIO

3. Dimension




4. Connector and Jumper Setting

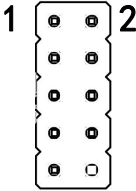
1) GPIO

Graphic	PIN	Define	PIN	Define
	1	VCC_GPIO (5V)	2	GPIO_C_1
	3	GPIO_C_2	4	GPIO_C_3
	5	GPIO_C_4	6	GPIO_C_5
	7	GPIO_C_6	8	GPIO_C_7
	9	GPIO_C_8	10	GND

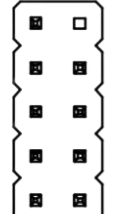
2) CLEAR CMOS

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

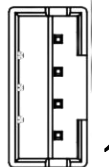
3) FPANEL

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

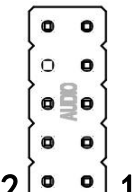
4) USB 2.0

Graphic	PIN	Define	PIN	Define
	1	+V5P0A_USB_P3	2	+V5P0A_USB_P3
	3	USB2_HEADER1_DN	4	USB2_HEADER2_DN
	5	USB2_HEADER1_DP	6	USB2_HEADER2_DP
	7	GND	8	GND
	9	NC	10	GND

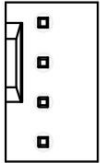
5) SPEAKER

Graphic	PIN	Define
	1	SPKR_LN_CON
	2	SPKR_LP_CON
	3	SPKR_RP_CON
	4	SPKR_RN_CON


6) F_AUDIO

Graphic	PIN	Define	PIN	Define
	1	MIC2_L	2	GND_AUD
	3	MIC3_R	4	NC
	5	HPOUT-R	6	MIC_JD
	7	GND_AUD	8	NC
	9	HPOUT-L	10	HP-JD

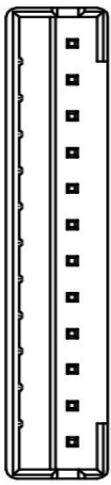
7) SYS_FAN

Graphic	PIN	Define
	1	GND
	2	+V12S
	3	FAN3_TACH
	4	FAN3_PWM

8) CPU FAN

Graphic	PIN	Define
	1	GND
	2	+V12S
	3	FAN_TACH1
	4	FAN_PWM1

9) VGA

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