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Chapter I Mainboard configuration diagram



(This drawing is for reference only, and some details will be designed and adjusted according to the actual situation. Please take the physical object, and our company reserves the right of interpretation)



Chapter II Specifications

2.1 Motherboard hardware specifications

Mainboard	MicroATX (225*195mm)			
size				
CPU	Support for LGA 1700 slots			
	The 12th generation processor (CPU overclocking technology is not supported)			
	TDP: 75W			
chip set	Intel ® H610 High-speed chipset			
memory	2 DIMM DDR4 memory slots			
	The maximum support total is 64GB			
	Support for dual-channel memory technology			
	Support for 3200 / 2933 / 2666 / 2400 / 2133 MHz			
extended	1 PCIE X16 4.0 slot			
interface	1 PCIE X1 3.0 slot			
	Support AMD and NVDIA independent graphics card, DG1 independent graphics card			
audio	Integrated ALC897 sound card chip			
	Supports the simultaneous output of the front and rear sound channels			
	Rear audio interface: 1 rear on-board LINE IN interface, 1 rear on-board LINE OUT			
	interface, and 1 rear on-board MIC_IN microphone interface			
	F_AUDIO pin: 1 set of front microphone pins and 1 set of front audio output pins (the 2			
	pins are F_Audio pins)			
	Group 1 of 4pin horn SPEAKER pins			
network	Integrated Realtek8111E Network Card chip (10 / 100 / 1000 Mbit)			
	1 onboard RJ 45 interface			
	Support network arousal			
	Support PXE no disk, UEFI no disk guide			
storage	1 M.2 X4 3.0 slot (supports 2242/2280 PCIE X4/X2 channel SSD)			
	3 SATA 3.0 interfaces			
USB	On-board rear interface: 2 USB 3.2 GEN 1 ports and 4 USB2.0 ports			
	Plate insert: 1 (2) USB2.0 pins, 1 (2) USB 3.2 GEN 1 pins			
Inside	1 24PIN motherboard ATX power supply interface			
board	1 8PIN motherboard ATX 12V power supply interface, 12V input			
socket	1 COM_A pin			
	1 debug outlet			
	1 CLR_CMOS button			
	2 sets of system fan pins and 1 group of CPU fan pins (support intelligent fan adjustment)			
	1 group chassis front control panel pin (F_PANEL)			
Hardware	Voltage monitoring			
monitoring	temperature monitoring			
	Fan monitoring			



	Intelligent fan speed control (the main board has been supported, the intelligent fan spee	
	control also needs fan support)	
operating	Support for UEFI Windows 10 64bit, UEFI Windows 11 64bit	
system	Support for Ubuntu 64bit	
ESD protect	Air discharge ± 8 KV Class C	



A:VGA interface

Up to 1920x1080@60Hz resolution support for connecting the display.

B: The HDMI interface

Up to 4096x2160@30Hz resolution (HDMI version 2.0 and HDCP 2.2), for connecting the display.

C: Double-layer USB3.2 GEN1 TYPE A interface

Up to support theoretical 5 Gb speed transmission, downward compatible with USB1.1 standard, for connecting USB TYPE A devices.

D: Double-layer USB2.0 TYPE A interface

Up to the USB2.0 standard support, downward compatible with the USB1.1 standard. For connecting to the USB TYPE A devices.

E: Double-layer USB2.0 TYPE A interface

Up to the USB2.0 standard support, downward compatible with the USB1.1 standard. For connecting to the USB TYPE A devices.



F: The RJ 45 interface

Network cable interface, used to access the network cable to link the host system to the network, with a maximum bandwidth of 1000M bps.

Connection
bandwidth
indicator lights

Running lights

Connect the bandwidth indicator light				
tape width	The lamp state			
connectionless	go out			
10M bps	Green is always bright			
100M bps	Green is always bright			
1000M bps	Orange is always bright			

Run the indicator light		
No data transmission	go out	
In data transmission	twinkle	

G1: LINE IN interface (blue)

Network socket

For receiving audio input devices, such as mobile phone audio input.

G2: LINE OUT interface (light green)

Used to access audio output devices, such as headphones, speakers and other external playback devices.

G 3: Audio-Microphone interface (pink)

For access to audio input devices, such as microphone and other radio devices.