

product specification

Motherboard size	170mm (L) *170mm (W) *22mm (H)	
CPU processor	Intel® Processor Celeron J6412/J6413/N6210/N6211, Pentium J6426 /N6415	
Ram	1*NB-DDR4 SODIMM memory slot, support single channel 3200MHz memory, low voltage 1.2V, maximum support 32GB	
Power supply	1*DC_JACK	Support 12V voltage, the inner diameter of the DC head is 2.5MM
	1*DC_PWR	The power consumption of the motherboard is about 30W under full load. It is recommended to use 12V/4A or above power supply
Display	Intel® UHD Graphics, support single display, dual display/triple display copy, dual display/triple display expansion, single display under DOS	
	1*VGA DB15 interface	Support resolution 1920*1080@60Hz
	1*DP interface (optional)	4K resolution 4096/3840*2160@60Hz
	VGA interface can be changed to support DP interface	
	1*HDMI 2.0 interface	4K resolution 4096/3840*2160@60Hz
	1*HDMI_CON1 pin	4K resolution 4096/3840*2160@30Hz (16Pin , 2*8Pin , 2.0mm)
	1*LVDS/EDP pin	Support resolution 1920*1080@60Hz (30Pin , 2*15Pin , 2.0mm)
	1*LVDS_PWR pin	LVDS voltage control pin (6Pin , 2*3Pin , 2.0mm)
	1*INVERT pin	LVDS backlight switch control pin (6Pin , 1*6Pin , 2.0mm)
	LVDS and EDP are optional and share a set of pins	
Internet function	1/2*RJ45 LAN interface	100M network card and Gigabit network card are optional, support wake-up on network and PXE diskless boot function (Gigabit: single network 8111H, dual network 8111H+8111H) (100M: single network 8106E, dual network 8106E+8106E)
	1*MINI_PCIE interface	Support WIFI/4G/Bluetooth module
Hard disk	1*SATA interface	Standard SATA 3.0 hard disk interface
	1*MSATA interface	Support MSATA 3.0 or USB signal WIFI module
	1*SATA_PWR pin	Hard disk power supply pin, can take power 5V, 12V (4Pin , 1*4Pin , 2.54mm)
Sound	By default, it supports Realtek ALC662/660/892/897 HD digital audio codec, 6-channel high-fidelity audio controller Optional support Cmedia HS-100B high-fidelity USB audio chip	
	1*LINE_OUT interface	Support audio output (green)
	1*MIC_IN interface	Support microphone input (red)
	1*JAMP pin	Power amplifier supports 8 ohm 5 watt speaker dual channel output (4Pin , 1*4Pin , 2.0mm)
	1*F_AUDIO pin	Standard Audio Pin (9Pin , 2*5Pin , 2.54mm)
	1*SPDIF_OUT pin	digital audio interface
USB	2*USB3.2 interface	Rear standard USB3.2 Gen1 interface
	2*USB2.0 interface	Rear standard USB2.0 interface
	1*F_USB1 pin	Front USB2.0 pin, one group has 2*USB2.0 (9Pin , 2*5Pin , 2.54mm)

	1*F_USB2 pin	Front USB2.0 pin, one group has 2*USB2.0 (9Pin , 2*5Pin , 2.54mm)
	1*F_USB3 pin	Front USB2.0 pin, one group has 2*USB2.0 (9Pin , 2*5Pin , 2.54mm)
switch function	1*F_PANEL pin	Switch, power light, hard disk light, reset pin (9Pin , 2*5Pin , 2.54mm)
	1*AUTO-SW pin	Support hardware control power-on and boot (3Pin ,1*3Pin ,2.0mm)
Other I/O	10*COM pin	com port, supports RS232 by default (9Pin , 2*5Pin , 2.54mm)
	2COM version motherboard COM2 supports RS232/RS485; COM2/3/4/6 of the 6COM/10COM version motherboard can optionally support RS232/RS485, and COM3/4 can optionally support RS422.	
	1*JPCOM1/2 pin	Can control COM1/2 pin 9 voltage 0V/5V/12V (6Pin , 2*3Pin , 2.0mm)
	1*JLPT1 pin	Parallel port, standard printing interface pin (25Pin ,2*13Pin ,2.0mm)
	1*SIM slot	Support SIM card, need SIM card when using 3G/4G
	1*CLR_CMOS pin	Motherboard reset, discharge pin (3Pin , 1*3Pin , 2.0mm)
	1*FAN1 pin	CPU fan pin, support temperature control (3Pin , 1*3Pin , 2.54mm)
	1*FAN2 pin	System fan pin, does not support temperature control (3Pin ,1*3Pin ,2.54mm)
	1*J_GPIO pin	GPIO control pin (10Pin , 2*5Pin , 2.0mm)
operating environme nt	Working temperature: -10°C~60°C; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support timing boot, remote switch machine intelligent identification of equipment	
Watch Dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
OS	Support Windows 11 , Windows 10 , Linux.etc.	