

Model Option:

Board Model	CPU	4K	LAN	COM	USB2.0	USB3.2	SSD	Memory	Power
4 inches motherboard M100SE	Support Whiskey Lake 8 th gen Comet Lake 10th gen corei3、i5、i7	Support	2	6	8	2	1*MSATA 1*2.5 寸 SSD/HDD	1*NB-DDR4 32G (MAX)	+12V
			3	6	6	2			
			4	6	4	2			
Dual Lan mainframe default 10*USB, can be change to 9*USB support 4G;									

Motherboard specification

Motherboard Size	235mm (L) *151mm (W) *73mm (H)	
Heat sink	Fanless+chassis integrated heat dissipation	
color	Silver	
CPU	Support 8 th Whiskey Lake CPU: I3-8145U、I5-8265U、I7-8665Uetc.	
	Support 10 th Comet Lake CPU: I3-10110U、I5-10210U、I7-10510Uetc.	
Chipset	Haswell-U、Broadwell-U highway chipset	
Power	1*DC_IN	the inner diameter of DC head is 2.5MM, support 12V. The full load power consumption of the motherboard is about 60W. It is recommended to use DC 12V7A or above power supply
Memory	1*SODIMM Memory slot	NB-DDR4 memory, support 2133/2400/2666 MHz memory, Maximum support 32GB.
Network	2/3/4*LAN port (dual\triple\quad Lan optional)	Dual Lan support dual Intel i226-V Gigabit network card, Triple Lan support triple Intel i226-V Gigabit network card; Quad Lan support quad Intel i226-VGigabit network card; Supports Wake-on-LAN and PXE diskless boot function;
	1*4G_MPCIE port	Support WIFI, support 3G/4G/bluetooth /WIFI etc.
Display	Intel (R) UHD Graphics super core graphics card, Support single display, double display replication, double display extension, double display under SHELL	
	1*VGA DB15port	Support resolution1920*1080@60Hz
	1*HDMI 1.4port	Support 4K resolution4096/3840*2160@30Hz
USB	2*USB3.2port	standardUSB3.2 Gen1port, maximum transmission band 5Gbps
	4/6/8*USB2.0port	standardUSB2.0port, maximum transmission band 480Mbps
	Dual Lan mainframe support 8*USB2.0port / triple Lan mainframe support 6*USB2.0 / quad Lan mainframe support 4*USB2.0	
	Mini-PCIE's USB signal and F_USB2 2/4/6/8/10 are the two options, Mini-PCIE no USB Signal is by default	
Sound	Integrate Realtek ALC897 HDHD digital audio decoder, 6-channel high-fidelity audio controller	
	1*LINE_OUT port	Support MIC-OUT (green)
	1*MIC_IN port	Support MIC-IN (red)
Hard disk	1*MSATA port	Support MINI_SATA, support MSATA3.0
	1*SATA1 port	Support 2.5 inches SSD/HDD
switch function	1*POWER button	On/off button
Other I/O	6*COM	Default support RS232; COM1support RS232/RS422/RS485 optional ; (BIOS setting)
	2*WiFi Antenna	External WiFi mast

	interface	
operating environment	Operating temperature: -10°C~60°C; Working humidity: 5%~95% relative humidity, no condensation Storage temperature: -20°C~70°C	
BIOS	AMI BIOS, Support power-on, timed power-on, remote power-on and power-on device intelligent identification	
Watch Dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
operating system	Support Windows 10, Windows 11, Kylin, UOS, Linux etc.	

CPU information

CPU specification	CPU Brand	CPU Model	Main frequency	Ray frequency	CPU Power consumption (W)	Full load power consumption (W)
8th gen I3	core	8145U	Dual Core 2.1G	3.9G	15	60
8th gen I5	core	8365U	Quad Core 1.6G	4.1G	15	60
		8265U	Quad Core 1.6G	3.9G	15	60
8th gen I7	core	8665U	Quad Core 1.9G	4.8G	15	60
10th gen I3	core	10110U	Dual Core 2.1G	4.1G	15	60
10th gen I5	core	10310U	Quad Core 1.7G	4.4G	15	60
	core	10210U	Quad Core 1.6G	4.2G	15	60
10th gen I7	core	10510U	Quad Core 1.8G	4.9G	15	60
	core	10610U	Quad Core 1.8G	4.9G	15	60
	core	10810U	Six core 1.1G	4.9G	15	60
	core	10710U	Six core 1.1G	4.7G	15	60