CPU information

CPU specification	CPU brand	CPU model	Main frequency	Turbo frequency	CPU power consumption (W)	Full load power consumption approx. (W)
	Celeron	6305E	Dual-core 2.8G	/	15	60
11th generation I3	core	1115G4E	Dual-core 2.2G	3.9G	15	60
	core	1115GRE	Dual-core 2.2G	3.9G	15	60
	core	1115G4	Dual-core 3.0G	4.1G	28	60
	core	1125G4	Quad-core 2.0G	3.7G	28	60
11th generation I5	core	1145G7E	Quad-core 1.5G	4.1G	15	60
	core	1145GRE	Quad-core 1.5G	4.1G	15	60
	core	1145G7	Quad-core 2.6G	4.4G	28	60
	core	1135G7	Quad-core 2.4G	4.2G	28	60
	core	1155G7	Quad-core 2.5G	4.5G	28	60
11th generation I7	core	1185GRE	Quad-core 1.8G	4.4G	15	60
	core	1185G7E	Quad-core 1.8G	4.4G	15	60
	core	1185G7	Quad-core 3.0G	4.8G	28	60
	core	1165G7	Quad-core 2.8G	4.7G	28	60
	core	1195G7	Quad-core 2.9G	5.0G	28	60

Product specification information

Mini PC size	235mm(L)*151mm(W)*73mm(H)	
Cooling system	No fan + case integrated heat dissipation	
Color	Iron gray	
CPU	Support 11th generation Tiger Lake CPU: I3-1115G4, I5-1135G7, I7-1165G7, etc.	
Power supply	1* DC_IN	The inner diameter of the DC head is 2.5MM, supporting 12V/19V The power consumption of the motherboard is about 60W under full load. It is recommended to use 12V 7A or 19V 6.3A or above power supply
Memory	1*SO DIMM socket	NB-DDR4 memory, support 2133/2400/2666/3200MHz memory, maximum support 32 GB
Internet function	2/3/4*LAN interface (Dual network, three network and four network are optional)	Dual network supports dual Intel i226-V Gigabit network cards , Three networks support three Intel i226-V Gigabit network cards ; Four networks support four Intel i226-V Gigabit network cards; support wake-up on LAN, PXE function
	1*CN1 interface	Support Key-B interface M.2_5G module, can be changed to support 4G module
	1*M.2_WIFI interface	Support Key-E interface M.2_2230 WIFI, can be changed to support Bluetooth

	The 4G/5G module of the 3042 specification and the M.2_WIFI module cannot be connected at the same time, there is interference, choose one of the two; The 5G module of 3052 specification and the M.2_WIFI module can be connected at the same time without interference;	
Display function	Integrated Intel UHD Graphics ultra-core graphics card, support single display, dual display copy, dual display expansion, single display under DOS	
	1*VGA DB15 interface	Support resolution 1920*1080@60Hz
	1*HDMI2 2.0 interface (optional)	Support 4K resolution 4096/3840*2160@60Hz
	Choose one of VGA and HDMI2 signals, VGA is supported by default	
	1*HDMI 2.0 interface	Support 4K resolution 4096/3840*2160@60Hz
USB function	2*USB3.2 interface	Rear standard USB3. 2 Gen1 interface, the maximum transmission bandwidth is 5Gbps
	4/6/8*USB2.0 interface	Rear standard USB2.0 interface, the maximum transmission bandwidth is 480Mbps
	Dual network host supports 8*USB2.0 interface/triple network host supports 6*USB2.0/quad network host supports 4*USB2.0	
	The USB signal of M.2_WIFI and the 2/4/6/8/10 pin of F_USB2 are optional, and the default M.2_WIFI has no USB signal	
	The 4G USB signal of the CN1 interface and the 1/3/5/7 pin of F_USB2 are optional, and the default does not support 4G	
Sound function	Integrated Realtek ALC 897 HD digital audio decoder, 6-channel high-fidelity audio controller	
	1*LINE_OUT interface	Support audio output (green)
	1*MIC_IN interface	Support microphone input (red)
Hard disk function	1*NGFF1 interface	Support Key-M interface M.2 2280, optional 2242; default SATA protocol, can be changed to NVME (PCIE) protocol
	1*SATA1 interface	Support 2.5-inch SSD/HDD hard disk
Switch function	1*POWER button	switch button
Other I/O	6*COM interface	6COM supports RS232 by default; COM1 supports RS232/RS422/RS485 optional; COM2 supports RS232 / RS485 optional (BIOS setting)
	2*WiFi antenna interface	External WiFi Antenna Mast
Operating environment	Working temperature: -10℃~60℃ Working humidity: 5%~95% relative humidity, non-condensing Storage temperature: -20℃~70℃	
BIOS	AMI BIOS, support power-on and start-up, scheduled start-up, remote switch machine intelligent identification of equipment	
Watch dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Support Windows 11, Windows 10, Kirin system, Tongxin system, Linux, etc.	