

CPU information

CPU specifications	CPU brand	CPU model	Main frequency	Turbo frequency	CPU power consumption (W)	The full load power consumption of the whole machine is about (W)
6th generation I3	Intel core	6100	Dual-core 3.7G		65	160
		6300	Dual-core 3.8G		65	160
		6320	Dual-core 3.9G		65	160
6th generation I5	Intel core	6400	Quad-core 2.7G	3.3G	65	160
		6500	Quad-core 3.2G	3.6G	65	160
		6600	Quad-core 3.3G	3.9G	65	160
6th generation I7	Intel core	6700	Quad-core 3.4G	4.0G	65	160
7th generation I3	Intel core	7100	Dual-core 3.9G		65	160
		7300	Dual-core 4.0G		65	160
		7320	Dual-core 4.1G		65	160
7th generation I5	Intel core	7400	Quad-core 3.0G	3.5G	65	160
		7500	Quad-core 3.4G	3.8G	65	160
		7600	Quad-core 3.5G	4.1G	65	160
7th generation I7	Intel Core	7700	Quad-core 3.6G	4.2G	65	160
8th generation I3	Intel core	8100	Quad - core 3.6G		65	160
		8300	Quad Core 3.7G		62	160
8th generation I5	Intel core	8400	Six-core 2.8G	4.0G	65	160
		8500	Six-core 3.0G	4.1G	65	160
		8600	Six-core 3.2G	4.3G	65	160
8th generation I7	Intel Core	8700	Six-core 3.2G	4.6G	65	160
9th generation I3	Intel core	9100	Quad-core 3.6G	4.2G	65	160
		9300	Quad-core 3.7G	4.2G	62	160
9th generation I5	Intel core	9400	Six-core 2.9G	4.1G	65	160
		9500	Six-core 3.0G	4.4G	65	160
		9600	Six-core 3.1G	4.6G	65	160
9th generation I7	Intel Core	9700	Eight-core 3.0G	4.7G	65	160
9th generation I9	Intel Core	9900	Eight-core 3.1G	5.0G	65	110

Product specification information

MX42 PC size	195mm(L)*180mm(W)*42mm(H)	
MX30 PC size	195mm(L)*180mm(W)*30mm(H)	
CPU	Support Intel 6/7/8/9 generation platform 1151-pin i3, i5, i7, i9 desktop independent CPU	
Chipset	Intel H310 Chipset	
Power supply	1*DC_IN	The inner diameter of the DC plug is 2.5MM, supporting 12V/19V (Motherboard + CPU + graphics card) load power consumption is about 160W, it is recommended to use 12V 15A or 19V 10A or more power supply
Memory	2*SO DIMM slots	NB-DDR4 memory, support 2133/2400 MHZ memory, maximum support 64 G
Display function	Integrated display (CPU built-in)	Intel UHD Graphics 630
	Independent display	Optional MXM graphics card NVIDIA GTX1030-2G (only supports HDMI, not DP) Optional MXM graphics card NVIDIA GTX1050Ti-4G (support HDMI and DP) Optional MXM graphics card AMD RX550-4G (support HDMI and DP)
	Support single display; double display/triple display/quad display copy; dual display/triple display/quad display expansion; single display under DOS	
	1*HDMI 2.0 interface	Support 4K resolution 4096/3840*2160@60Hz
	1*DP 1.4 interface	Support 4K resolution 4096/3840*2160@60Hz
	HDMI 2.0 interface on daughter card side	Support 4K resolution 4096/3840*2160@60Hz
	DP 1.4 interface on the daughter card side	Support 4K resolution 4096/3840*2160@60Hz
Internet function	1*LAN interface	Realtek 8111H Gigabit LAN, supports Wake-on-LAN, PXE function
	1*MINI_PCIE interface	Support WIFI/3G/4G /Bluetooth module, can be changed to support MSATA
USB function	3*USB3. 1 interface	Rear standard USB3. 1 Gen1 interface, the maximum transmission bandwidth is 5Gbps (500MB/s)
	3*USB2.0 interface	Rear standard USB2.0 interface, the maximum transmission bandwidth is 480Mbps (60MB/s)
Sound function	Integrated Realtek ALC897 HD digital audio decoder, 6-channel high-fidelity audio controller, can be changed to support BBH621 USB sound card	
	1*LINE_OUT interface	Support audio output (green)
	1*MIC_IN interface	Support microphone input (red)
Hard disk function	1*SATA interface	Support 2.5-inch SSD disk/ mechanical hard disk
	1*M.2 interface	M.2 2280 is supported by default, M.2 2242 is optional, and SATA/NVME (PCIE) protocol is optional
Switch function	1*PWR-SW button	Switch button
	1*RST-BTN button	Restart button
Other I/O	1*SIM_CARD card slot	Support SIM card, need SIM card when using 3G/4G
	1*FAN 1 pin	CPU fan pin , support temperature control (3Pin, 1*3Pin, 2.54mm)
	1*FAN 2 pins	System fan pin, does not support temperature control (3Pin, 1*3Pin, 2.54mm)

	1*GPIO _CN pin	GPIO control pin (10Pin, 2*5Pin, 2.0mm)
	1*CMOS button	Motherboard reset and discharge button
	1*GHOST button	Hardware system one-key restore button, can do system backup and restore
	1*OPS interface	80Pin standard OPS interface
Operating environment	Working temperature: -10°C~60°C; Working humidity: 5%~95% relative humidity, non-condensing	
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 Windows11, Windows 10, Windows 7, Linux, etc.	