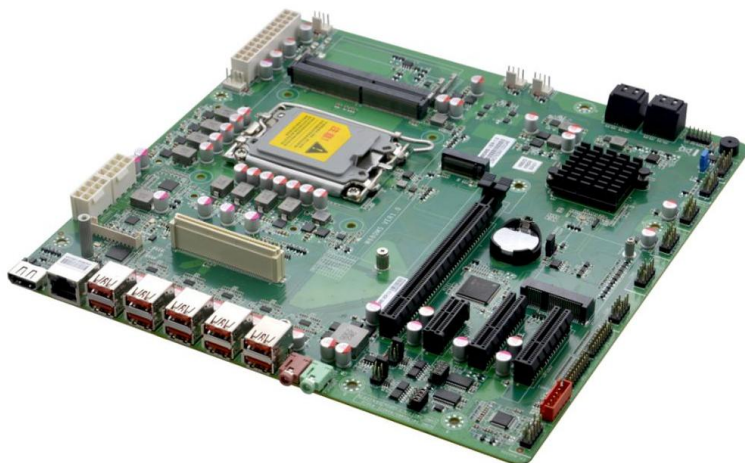# W680MS VER:1.0 规格表

W680MS VER:1.0 主板正面图

W680MS VER:1.0 主板 IO 图

W680MS VER:1.0 主板侧面图

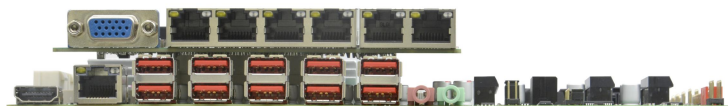| Product model	W680MS VER:1.0
processor	Supports LGA1700 12th/13th Intel® Celeron/Pentium/Core™ i3/i5/i7/i9 processors, Note: Supports 125W cpus
chipset	Using Intel® W680 chipset,
Internal memory	2* DDR4 SODIMM slots, supporting a dual-channel memory of up to 3200MHz, 128GB, and ECC memory
display	Integrated Intel®HD Graphics core graphics card supports DirectX12.1,OpenGL4.5, and supports 4K display
	1 x VGA port, the maximum resolution is 1920X1200@60Hz
	2* HDM1.4 interface, support the highest resolution of 4096x2160@24Hz
network	1* I210AT Gigabit network adapter chip, supports network wake up /PXE function
Store	4* SATA3.0 hard disk port, transmission speed up to 6Gbps, support RAID 0,1,5,10
	1* MSATA slot, supporting Intel SSDS
	1 x M.2 slot, supporting the M.2 Key M 2280 NVME PCIE X4 standard SSD
Tone frequency	Onboard ALC897 7.1+2 channel hi-fi audio controller with MIC/Line-out support
Expansion slot	1* PCIE3.0 X16 slot
	1* PCIE 3.0 X1 slot
	2* PCIE 3.0 X4 slots
I/O ports on the backplane	1* HD OUTPUT1.4 port
	1* RJ45 Gigabit network port
	10* USB3.2 Gen 2x1 interface (10Gbps)
	1* Line-out(green),1*MICK(red)
Built-in I/O interface	1* JVGA interface 1*12pin,
	1* JHD OUTPUT port 2*8pin
	4* USB2.0 interface 2*5pin,

	2* RS232 serial port, supporting RS485/422
	1* Front panel audio port 2*5pin
	2* Front panel function buttons and indicator ports 2*5pin
	1* 24pin ATX power socket 2* 8pin ATX power socket
	1* PS/2 keyboard and mouse interface 1*6pin
	1* TPM port 2*6pin
	1* JHD OUTPUT port 2*8pin
	1* 120pin high-speed seat, including 6 PCIE,1 VGA,VCC and other signals, for the expansion of 1 VGA port,6 POE ports (W680MS-POE board)
	2* row pin, 2*10pin, for expansion 16 in 16 out GPIO(MS-GPIO small board)
Fan interface	1*4pin CPU fan interface; 3*4pin system fan port
BIOS	128Mb Flash ROM
Guard dog	Support hardware reset function (256 level, 0~255 seconds)
Operating system	Windows 10/Windows 11/Linux
Power supply type	Powered by ATX 24Pin and 8pin power supplies
Operating temperature	0℃ to 60℃
Storage temperature	-20℃ to 70℃
Working humidity	5%-95% relative humidity, no condensation
dimension	245mm * 245mm

订购信息：

No.	Model	Processor	Frequency	Southbridge	Memory	VGA	HD OUTPUT	DP	LAN	USB	COM	RS485/422	Power
1	W680MS VER:1.0	LGA1700	/	W680	2*SODDR4	1	2	/	1*I210AT	12	1	COM1	ATX

配套的 IO 板

型号	W680MS-POE VER:1.0
前面板接口	1* VGA 接口（与主板上的 VGA 接口为二选一）
	6* I210AT 千兆网络接口，支持 POE
操作系统	Windows 10,Linux
支持主板	W680MS 主板
工作温度	-10℃~60℃
储存温度	-20℃~70℃
相对湿度	5%—95%相对湿度，无冷凝
主板尺寸	138mm *65mm

型号	MS-GPIO VER:1.0
前面板接口	1* 凤凰端子，支持 16 进 16 出 GPIO 功能
操作系统	Windows 10,Linux
支持主板	W680MS 主板
工作温度	-10℃~60℃
储存温度	-20℃~70℃
相对湿度	5%—95%相对湿度，无冷凝
主板尺寸	96mm *75mm