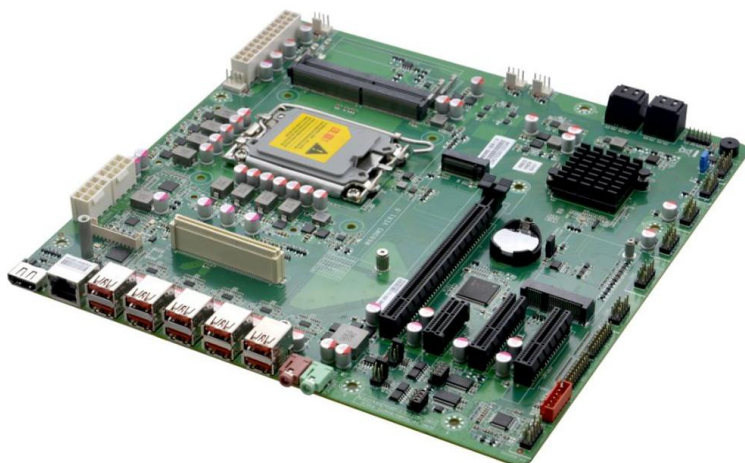


# W680MS VER:1.0

[ LGA1700 ]



Specifications:

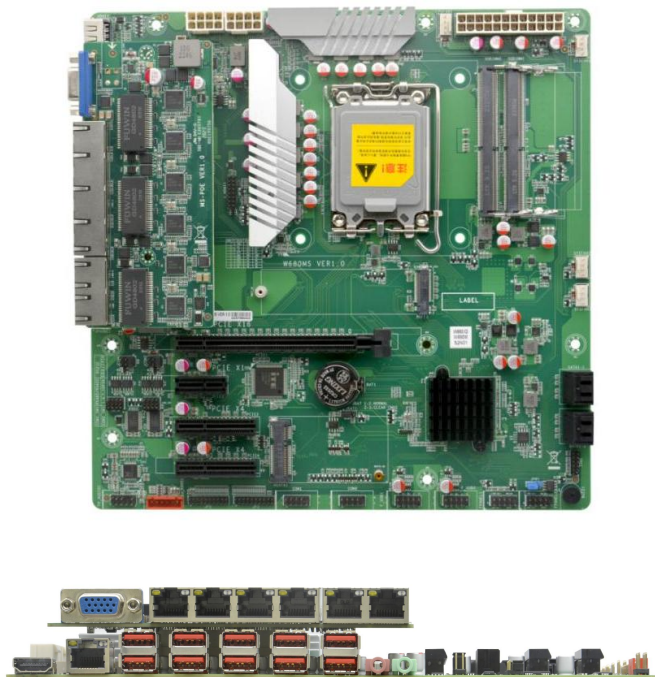
Product model	W680MS VER:1.0
processor	Support LGA1700 12 <sup>th</sup> /13th Intel® Celeron/Pentium/Core™ i3/i5/i7/i9 CPU Note:Support 125W CPU
Chipset	Intel® W680
RAM	2* DDR4 SODIMM memory slots, support dual-channels up to 3200MHz memory, up to 128GB, support ECC memory
Display	Integrated Intel®HD Graphics, support DirectX12.1,OpenGL4.5, support 4K display
	1* VGA, support the highest resolution of 1920X1200@60Hz
	2* HDMI1.4, support the highest resolution of 4096x2160 @24Hz
Ethernet	1* I210AT Gigabit Ethernet chip, supports Wake on LAN/PXE function
Storage	4* SATA3.0 hard disk interface, the transfer speed up to 6Gbps
	1* MSATA slot, support Intel protocol SSD
	1* M.2 slot, support M.2 Key M 2280 NVME PCIE X4 SSD
Audio	Onboard ALC897 7.1+2 vocal channels high fidelity audio controller,supports MIC/Line-out and Line-in
Expansion slot	1* PCIE3.0 X16
	1* PCIE 3.0 X1
	2* PCIE 3.0 X4
Rear I/O interfaces	1* HDMI1.4
	1* RJ45 Gigabit Ethernet interface
	10* USB3.2 Gen 2x1 (10Gbps)
	1* Three-layer audio interface, support Line-out, MICK, Line-in
Inner I/O interfaces	1* JVGA, 1*12pin
	1* JHDMI, 2*8pin
	4* USB2.0, 2*5pin
	2* RS232 COM, support RS485/422
	1* Front panel audio interface, 2*5pin
	2* Front panel function button and indicator interface, 2*5pin

	1* 24pin ATX power socket, 2* 8pin ATX power socket
	1* PS/2 keyboard and mouse interface, 1*6pin
	1* TPM, 2*6pin
	1* JHDMI, 2*8pin
	1* 120pin high speed slot, including 6*PCIE ,1*VGA, VCC and other signals, used to expand
	1 VGA interface and 6 POE network ports (W680MS-POE small board)
	2*10pin,used to expand 16-in and 16-out GPIO (MS-GPIO small board)
Fan interfaces	1*4pin CPU fan connector; 3*4pin system fan connector
BIOS	128Mb Flash ROM
Watchdog	Support hardware reset function (256 levels, 0~255 seconds)
operating system	Windows 10/Windows 11/Linux
Power type	Powered by ATX 24Pin and 8pin power supply
Operating temperature	0℃~60℃
Storage temperature	-20℃~70℃
Working humidity	Relative humidity 5%-95%, no condensation
Size	245mm x 245mm

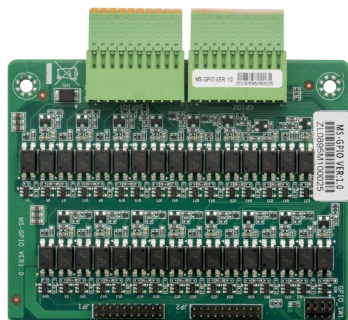
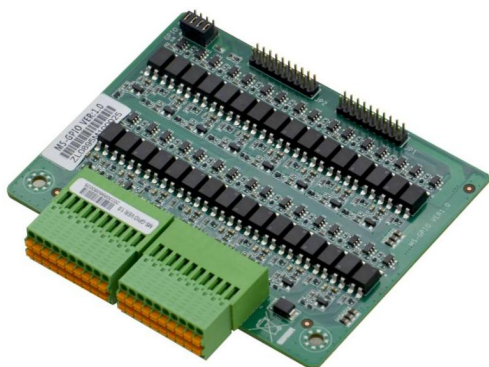
Order information:

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

## Matching IO board



Model No.	W680MS-POE VER:1.0
Front I/O interfaces	1* VGA （optional with VGA of the motherboard）
	6* I210AT Gigabit network interface, support POE
OS	Windows 10,Linux
Support Motherboard	W680MS
Operating temperature	-10℃~60℃
Storage temperature	-20℃~70℃
Working humidity	Relative humidity 5%-95%, no condensation
Size	138mm*65mm



<b>Model No.</b>	MS-GPIO VER:1.0
<b>Front I/O interfaces</b>	1*Phoenix terminal, supports 16-input and 16-output GPIO function
<b>OS</b>	Windows 10, Linux
<b>Support Motherboard</b>	W680MS
<b>Operating temperature</b>	-10℃~60℃
<b>Storage temperature</b>	-20℃~70℃
<b>Working humidity</b>	Relative humidity 5%-95%, no condensation
<b>Size</b>	96mm*75mm