

# C6980Z-PE V1.0

Fanless Industrial PC 1\*PCI, 1\*PCIe  
with Intel® Core i5-8265U CPU



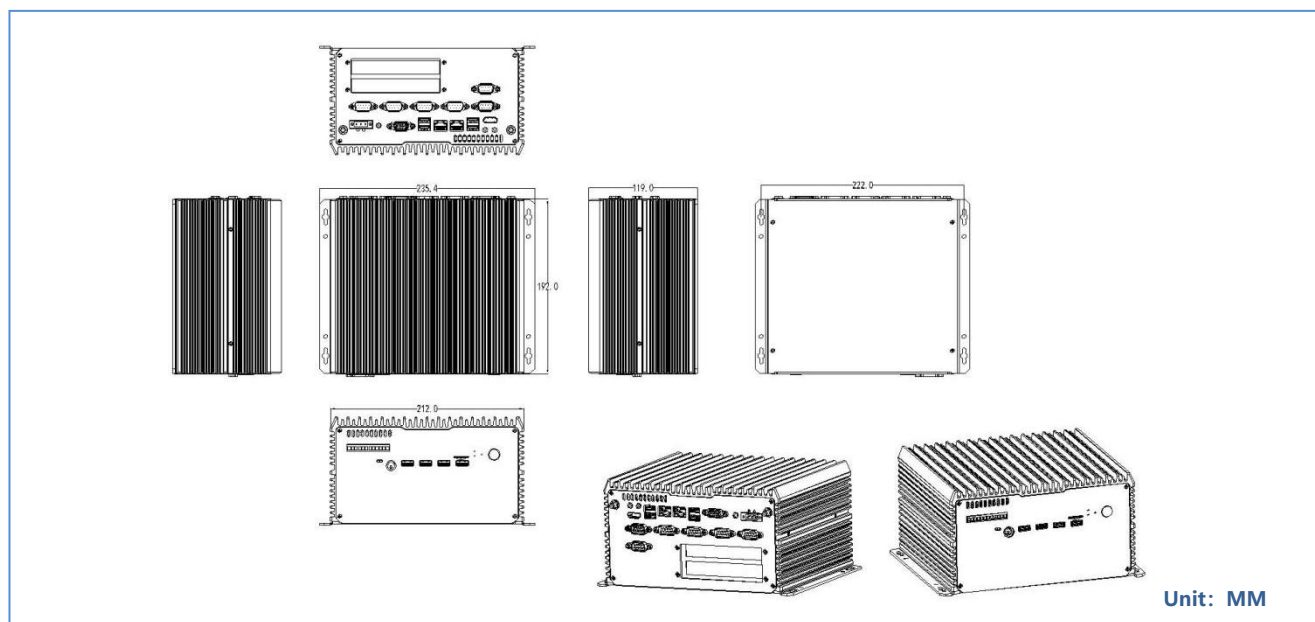
## Features

- On board Whiskey Lake-U i5-8265U Quad cores CPU
- 2\*DDR4 SODIMM RAM slot, 2400MHz, up to 32GB
- 1\*HDMI, 1\*VGA dual independent display output
- 2\* WGI210AT Gigabit Ethernet, support WOL、 PXE
- 6\* RS232 (4\*RS485)
- 1\*12PIN Phoenix (4-in 4-out GPIO, switch, 5V)
- 4\*USB3.0, 4\*USB2.0
- 1\*PCI, 1\*PCIe slot expansion
- DC 9~36V
- Fanless design, full aluminum case

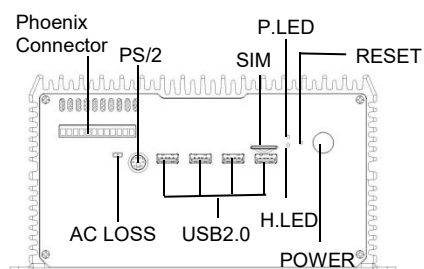
## Specification

Model No.	C6980Z-PE V1.0 (8265U)	
Case	Material/Structure	Full aluminum fanless cooling
	Color	Bright black
	Dimension	L235*W192*H119mm (L*W*H)
	Installation	Desktop/Embedded
Motherboard	CPU	On board Intel® Whiskey Lake-U i5-8265U/1.6GHz quad core 8 thread processor, TDP 15W
	Chipset	Intel® Whiskey Lake-U SOC
	Graphics	Integrated UHD Graphics, support DirectX 12 OpenGL 4.5, support 4K
	RAM	2* DDR4 SODIMM RAM slot, support 2400MHz memory, up to 32GB
Front Panel IO	POWER	1* Power button, 1*Reset button
	AC LOSS	1*AC LOSS switch (auto power ON switch)
	USB	4* USB2.0
	Phoenix Connector	1*12pin, support 4-in 4-out GPIO, switch, 5V
	PS2	1*PS2 port
	SIM	1* SIM slot, 3G/4G module application
Rear Panel I/O	LED	1* Power LED, 1* HDD LED
	Display Port	1*VGA, 1*HDMI1.4
	LAN	2*Intel® WGI210AT Gigabit Ethernet, support Wake On LAN、 PXE function
	USB	4* USB3.0
	COM	6* DB9 RS232, COM1/2 pin9 has charged function; COM3~6 RS232/485 selectable, isolated
	Audio	1* Line out, 1* MIC
Storage	Power Connector	DC9~36V (1* DC_In Jack, 1* 3pin power connector)
	SATA	1*2.5" SATA slot expansion
Expansion	mSATA	1* MSATA SSD slot, transfer speed up to 6Gbps
	Mini PCIE	1* Mini PCIE slot, support WiFi/4G module
Software	PCI	1*PCI, 1*PCIe slot expansion
	Microsoft Windows	Windows 10, 64bit(not include OS code)
	Linux	Ubuntu
Power Supply	Watch Dog	Support hardware reset function (L256, 0~255 seconds)
	Power Type	External power adaptor or open power supply
	Voltage Input	DC 9V~36V wide voltage input
Environment	Consumption	36W~180W
	Operating Temp.	-10°C ~ 60°C
	Storage Temp.	-20°C ~ 70°C
	Relative Humidity	5%-95% relative humidity, non-condensing
	Working Vibration	0.5g rms/5-500HZ/random/operating

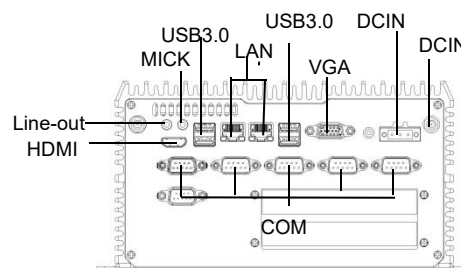
## Dimension Drawing



### Front I/O View



### Rear I/O View



## Order Information

No.	Model	Processor	Motherboard M.2	Memory	Phoenix Conector	LAN	COM	HDMI	VGA	USB2.0	USB3.0	SIM	PS2	power-input
1	C6980Z-PE(8565U)	8565U/1.8GHz	C81_I726D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
2	C6980Z-PE(8265U)	8265U/1.6GHz	C81_I526D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
3	C6980Z-PE(8145U)	8145U/2.1GHz	C81_I326D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
4	C6980Z-PE(7200U)	7200U/2.5GHz	C57_I526D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
5	C6980Z-PE(7600U)	7600U/2.8GHz	C57_I726D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
6	C6980Z-PE(6650U)	6650U/2.2GHz	C57_I726D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
7	C6980Z-PE(6360U)	6360U/2.0GHz	C57_I526D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V
8	C6980Z-PE(3865U)	3865U/1.8GHz	C57_C326D /	2*SODDDR4	1*12PIN	2	6	1	1	4	4	1	1	9V~36V