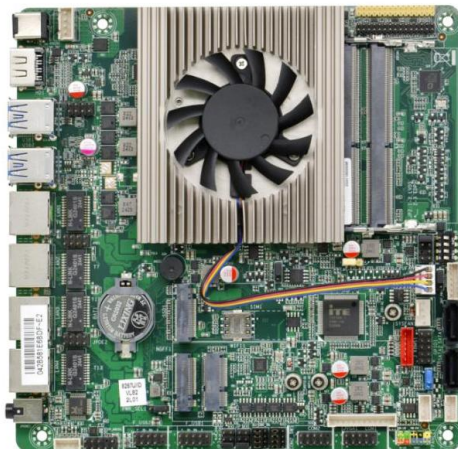


ITX-VL82 VER:1.0



Specification:

Model No.	ITX-VL82 VER:1.0(8257U)
Processor	Integrated the 8 th Intel® i5-8257U 1.4GHz 4-core 8-thread processor, TDP 15W Compatible with Intel® Whiskey Lake-U/Comet Lake-U/Coffee Lake-U 8th/10th Celeron/Pentium/i3/i5/i7 low-power processors
Chipset	SOC
RAM	2* SODIMM memory slot, support dual channel 2400MHz DDR4 memory, up to 64GB
Display	Integrated Intel® UHD Graphics, support DirectX 12 OpenGL4.5, support 4K
	1*VGA, the highest supported resolution is: 1920X1200@60Hz
	1*HDMI1.4, the highest supported resolution is: 4096x2304@24Hz
	1*Support dual-channel 24bit LVDS interface
	1*EDP (choose EDP or LVDS through jumper)
Ethernet	4* Intel I210AT Gigabit LAN, support Wake-on-LAN, PXE function Note: can support POE. If need the POE function, will need to use the VL68-PW expansion board.
Storage	2* SATA3.0 hard disk interface, transfer rate up to 6Gbps
	1* M.2 slot, support M.2 Key M 2280 NVME PCIE X4/SATA specification SSD
Audio	Onboard ALC897 7.1+2 channel Hi-Fi audio controller,support MIC/Line-out.Power amplifier
	Suggest to use a 4Ω3W speaker for the power amplifier
Expand slot	1* M.2 slot, supports M.2 Key E 2230 WIFI module
	1* M.2 slot, supports M.2 Key B 3042/3052 5G module
Backplane I/O Interface	4* USB3.0
	1* HDMI1.4
	4* RJ45 Gigabit network interface
	1* Two-in-one audio interface
	1* DC 12V power supply input interface
Built-in I/O interface	1* LVDS, 2*15pin, support dual channels 24BIT
	1* LVDS Screen backlight power supply interface, 1*6pin
	1* EDP, 2*15pin(The LVDS and EDP interfaces are selected by jumper)

	2* RS232 serial port, COM1/COM2 support RS485/422 function
	3* 2*4pin PH=2.54mm pin header, connected to VL680-PW small board
	1* PS/2 keyboard and mouse interface (red), 1*6Pin
	4* USB2.0, 2*5pin
	1* SIM card slot
	1* Front panel audio interface, 2*5pin
	1* Front panel function button and indicator interface, 2*5pin
	2* Hard drive power supply interface, 1*4pin
	1* Amplifier interface, 1*4pin
	1* 4pin DC power interface (can be used as 12V input and output power interface)
Fan interface	1*4pin CPU smart fan interface, 1*4pin system fan interface
GPIO	Support 4 input and output GPIO
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 DC 12V power supply
Operating temperature	-20℃～60℃
Storage temperature	-20℃～70℃
Working humidity	5%-95% relative humidity, no condensation
dimension	170mm x 170mm

Order information:

NO.	Model	Processor	Frequency	Memory	VGA	HDMI	LVDS	EDP	LAN	USB	COM	485/422	Power
1	ITX-VL82 VER:1.0(8257U)	I5-8257U	1.4G	2*SODDR4	1	1	1	1	4*I210AT	8	2	COM1/2	DC12V
2	ITX-BL82 VER:1.0(8665U)	I7-8665U	1.9G	2*SODDR4	1	1	1	1	4*I210AT	8	2	COM1/2	DC12V