

ITX-VL305 VER:1.0



Specification:

Model No.	ITX-VL305 VER:1.0(N97)
Processor	Integrated Intel® Alder Lake-N N97 3.6GHz quad-core processor, TDP 12W Compatible with Intel® Alder Lake-N all series CPU
Chipset	SOC
RAM	1* SODIMM memory slot, support single channel 3200MHz DDR4 memory, up to 16GB
Display	Integrated Intel® UHD Graphics, support DirectX 12.1, OpenGL4.6
	1* VGA, 1*HDMI1.4, 1* LVDS/1* EDP Note: The LVDS and EDP interfaces are selected by wire jumper(LVDS default)
Ethernet	4* Intel WGI210AT 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	1* 7pin SATA3.0 hard disk interface, transfer rate up to 6Gbps
	1* M.2 slot, support M.2 Key M 2280 NVME PCIE X1/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* Mini-PCIE slot, support WIFI/4G module
Backplane I/O Interface	1* DC 12V power supply input interface
	1* HDMI1.4
	2* USB3.0, 2* USB2.0
	4* RJ45 Gigabit network interface
	1* Two-in-one audio interface
Built-in I/O interface	1* JVGA, 1*12pin
	3* 2*4pin PH=2.54mm pin header, connected to VL680-PW small board
	1* LVDS, 2*15pin, support dual channels 24BIT
	1* EDP(yellow), 2*15pin(The LVDS and EDP interfaces are selected by wire jumper)
	1* Screen backlight power supply interface, 1*6pin
	4* USB2.0, 2*5pin
	6* RS232 serial port, COM2/COM3 support RS485/422 function
	1* Hard drive power supply interface, 1*4pin

	1* Front panel audio interface, 2*5pin
	1* Amplifier interface, 1*4pin
	1* SIM card slot
	1* Front panel function button and indicator interface, 2*5pin
	1* TPM pin header, ESPI specification, 2*6pin
	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	256Mb 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	-10℃～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	LAN	USB	COM	485/422	Power
1	ITX-VL305 VER:1.0(N97)	N97	3.6G	1*SODDDR4	1	1	1	4*WGI210AT	8	6	COM2/3	DC12V