

ITX-B110_I716L v:1.1

Based on Intel® Tiger Lake platform_11st Gen Core® Processors

[Core_i7-1165G7]



Specifications:

Model No.	ITX-B110_I716L VER:1.1
Processor	Integrated 11st Gen Intel Core i7-1165G7 2.80GHz 4 cores processor TDP: 28W Compatible with Intel® Tiger Lake-U Celeron/Pentium/i3/i5/i7 series processors
Chipset	SOC
Memory	2x DDR4 3200MHz SODIMM memory slot, up to 64GB
Display	Integrated Intel Iris Xe Graphics ,supports DirectX 12.1, OpenGL 4.6, OpenCL 3.0 ; Support 4K @60Hz 1x VGA (1920X1200 @60Hz) ; 1x HDMI2.0 (4096x2304 @60Hz) ; 1x HDMI1.4_Pin header (4096x2304 @24Hz) 1x LVDS (2ch/24bit)
Ethernet	2x RJ45 Gigabit Ethernet ports (Intel I225V), support Wake_on_LAN/PXE function
Storage	1x 7pin SATA3.0, the transfer rate up to 6Gbps 1x M.2 slot, support M.2 2260/2280 NVMe PCIe x1/SATA SSD (auto detect)
Audio	Onboard ALC888S 7.1+2 channel high fidelity audio controller, support Mic_in / Line_out & Power amplifier The 2Ω 5W horn for power amplifier recommended
Expansion Slot	1x M.2 slot (Key-E), support WIFI6 moudle 1x M.2 slot (Key-B), support 4G/5G moudle
Rear I/O	1x VGA 1x HDMI2.0 2x USB3.0 2x RJ45 GbE LAN 1x Line-out ; 1x Mic_in 1x DC_Jack (DC_12V input)
	1x JVGA1, 1*12pin, Same signal as DB15 1x JHDMI, 2*8pin, (HDMI1.4) 1x LVDS, 2*15pin, support 2 channels 24BIT (support eDP, same pin header)

Inner I / O	1x Screen backlight power supply interface, 1*6pin
	1x Screen brightness adjustment interface, 1*4pin
	6x USB2.0, 2*5pin
	6x RS232 serial ports (pin header) COM1 provide power on the 9 th pin, COM2/3 support RS485/422
	1x Hard disk power supply interface, 1*4pin
	1x PS/2 KB&MS Connector, 1*6Pin
	1x Front panel function button and indicator light interface, 2*5pin
	1x Front audio interface, 2*5pin
	1x Power amplifier interface, 1*4pin
	1* DC power slot, 1*4pin (support DC_12V input/output)
	1x SIM card slot
Fan interface	1x 4Pin smart system fan interface ; 1x 4Pin CPU intelligent fan interface
GPIO	Support 4-way input and output GPIO
BIOS	AMI 128Mb Flash ROM
Watchdog	Support hardware reset function (256 levels, 0 ~ 255 seconds)
OS	Windows 10/Linux
Power Type	DC_12V
working temp.	-10°C ~ 60°C
Storage temp.	-20°C ~ 70°C
Working humidity	5%-95%(Relative humidity, non condensing)
Dimension	170mm x 170mm

ITX-B110 series info

NO.	Model	Processor	Frequency	Memory	VGA	HDMI	LVDS	EDP	LAN	USB	COM	485/422	Power
1	ITX-B110_C316L VER:1.0 (6305)	6305	1.80G	2*SODDDR4	1	2	2ch/24Bit	/	2	8	6	COM2/3	DC12V
5	ITX-B110_I512L VER:1.1 (I135G7)	i5-1135G7	2.40G	2*SODDDR4	1	2	2ch/24Bit	/	2	8	2	COM2/3	DC12V
6	ITX-B110_I526L VER:1.1 (I135G7)	i5-1135G7	2.40G	2*SODDDR4	1	2	2ch/24Bit	/	2	8	6	COM2/3	DC12V
7	ITX-B110_I716L VER:1.1 (I165G7)	i7-1165G7	2.80G	2*SODDDR4	1	2	2ch/24Bit	/	2	8	6	COM2/3	DC12V
8	ITX-B110_I726L VER:1.1 (I165G7)	i7-1165G7	2.80G	2*SODDDR4	1	2	2ch/24Bit	/	2	8	6	COM2/3	DC12V