

## ITX-B110\_I526L v:1.1

Based on Intel® Tiger Lake platform\_11st Gen Core® Processors

[ Core\_i5-1135G7 ]



## Specifications:

|                |                                                                                                                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.      | ITX-B110_I526L VER:1.1                                                                                                                                                                                                                |
| Processor      | Integrated 11st Gen Intel Core i5-1135G7 2.40GHz 4 cores 8 threads processor<br>TDP: 28W<br>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<br>1x VGA (1920X1200 @60Hz) ;<br>1x HDMI2.0 (4096x2304 @60Hz) ;<br>1x HDMI1.4_Pin header (4096x2304 @24Hz)<br>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<br>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<br>The 2Ω 5W horn for power amplifier recommended                                                                           |
| Expansion Slot | 1x M.2 slot (Key-E), support WIFI6 moudle<br>1x M.2 slot (Key-B), support 4G/5G moudle                                                                                                                                                |
| Rear I/O       | 1x VGA<br>1x HDMI2.0<br>2x USB3.0<br>2x RJ45 GbE LAN<br>1x Line-out ; 1x Mic_in<br>1x DC_Jack (DC_12V input)                                                                                                                          |
|                | 1x JVGA1, 1*12pin, Same signal as DB15<br>1x JHDMI, 2*8pin, (HDMI1.4)<br>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 <sup>th</sup> 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 |