

# ITX-B120V1\_I526L VER:1.0 (1235U) Specification



ITX-B120V1\_I526L VER:1.0 Front View



ITX-B120V1\_I526L VER:1.0 I/O View



ITX-B120V1\_I526L VER:1.0 Lateral View

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model No.</b>         | ITX-B120V1_I526L VER:1.0(1235U)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Processor</b>         | Onboard Intel®Alder Lake 12th Core I5-1235U 10 cores 12-thread CPU, TDP 15W<br>Compatible with Intel®Alder Lake/Raptor Lake 12th/13th Celeron/I3/I5/I7 CPU                                                                                                                                                                                                                                                                                                     |
| <b>Chipset</b>           | SOC                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Memory</b>            | 2* DDR4 SODIMM RAM slot, 3200MHz, up to 64GB                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Display</b>           | Integrated Intel® Iris® Xe Graphics, support DirectX12.1,OpenGL4.6, 4K/60Hz<br>1* VGA, support resolution up to: 1920x1080@60Hz<br>1* HDMI2.0, support resolution up to: 4096x2304@60Hz<br>1* HDMI1.4, support resolution up to: 4096x2304@24Hz<br>1* LVDS port, support dual channel 24BIT<br>1* EDP port, EDP / LVDS selectable via jumper                                                                                                                   |
| <b>LAN</b>               | 2* Intel KT1226V Gigabit Ethernet, support Wake On LAN / PXE                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>           | 1* 7pin SATA3.0 hard disk port, transfer speed up to 6Gbps<br>1* M.2 slot, support M.2 2280 NVME PCIE 3.0 x4 SSD                                                                                                                                                                                                                                                                                                                                               |
| <b>Audio</b>             | Onboard ALC897 7.1+2 channel high definition audio controller, support<br>MIC/Line-out, amplifier. Amplifier support 4Ω/3W dual channel                                                                                                                                                                                                                                                                                                                        |
| <b>Expansion</b>         | 1* M.2 slot, support M.2 2230 WiFi module                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sot</b>               | 1* M.2 slot, support M.2 2242/2252 4G/5G module                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Rear I/O Port</b>     | 1* DC12V power connector, support 12V power input output<br>1* HDMI2.0<br>1* VGA<br>2* USB3.0 (5Gbps)<br>2* RJ45 Gigabit LAN port (LAN2 / USB2.0 optional)<br>1* Line-out(green), 1*MICK(red)                                                                                                                                                                                                                                                                  |
| <b>Internal I/O Port</b> | 1* JVGA port, 1*12pin, same signal with DB15<br>1* JHDMI port, 2*8pin, independent display<br>1* LVDS port, 2*15pin<br>1* EDP port, 2*15pin, EDP / LVDS selectable via jumper<br>1* Screen backlight power supply port, 1*6pin<br>6* RS232, COM1 support pin9 charged function, COM2/3 RS232/485/422 selectable<br>1* Front audio port, 2*5pin<br>1* Amplifier port, 1*4pin<br>1* Front panel power button and LED indicator port, 2*5pin<br>6* USB2.0, 2*5pin |

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
|                   | 2* USB3.0, 2*10pin                                          |
|                   | 1* PS/2 KB/MS port, 1*6pin                                  |
|                   | 1* SATA power supply port, 1*4pin                           |
|                   | 1* TPM port, 2*6pin                                         |
|                   | 1* 4pin DC power connector, support 12V power input output  |
| Fan               | 1*4pin CPU smart fan connector; 1*4pin system fan connector |
| Connector         |                                                             |
| GPIO              | Support 4-in 4-out GPIO                                     |
| BIOS              | 256Mb Flash ROM                                             |
| OS Support        | Windows 10/Windows 11/Linux                                 |
| Watchdog          | Support hardware reset function (L256, 0~255seconds)        |
| Power Type        | DC 12V                                                      |
| Operating Temp.   | -10℃～60℃                                                    |
| Storage Temp.     | -20℃～70℃                                                    |
| Relative Humidity | 5%-95% relative humidity, non-condensing                    |
| Dimension         | 170mm x 170mm                                               |

## Order Information:

| NO | Model                           | Processo | Frequency | Memory    | VGA | HDMI | LVDS      | EDP | LAN     | US | COM | 485/422 | Power |
|----|---------------------------------|----------|-----------|-----------|-----|------|-----------|-----|---------|----|-----|---------|-------|
| 1  | ITX-B120V1 I526L VER:1.0(1235U) | I5-1235U | 4.4G      | 2*SODDDR4 | 1   | 2    | 2ch/24Bit | 1   | 2*I226V | 8  | 6   | COM2/3  | DC12V |
| 2  | ITX-B120V1 I726L VER:1.0(1255U) | I7-1255U | 4.7G      | 2*SODDDR4 | 1   | 2    | 2ch/24Bit | 1   | 2*I226V | 8  | 6   | COM2/3  | DC12V |
| 3  | ITX-B120V1 I716L VER:1.0(1255U) | I7-1255U | 4.7G      | 2*SODDDR4 | 1   | 2    | 2ch/24Bit | 1   | 1*I226V | 8  | 6   | COM2/3  | DC12V |
| 4  | ITX-B120V1 I316L VER:1.0(1215U) | I3-1215U | 4.4G      | 2*SODDDR4 | 1   | 2    | 2ch/24Bit | 1   | 1*I226V | 8  | 6   | COM2/3  | DC12V |