

# BPC-3112

## Fanless Compact Embedded Box PC with 12<sup>th</sup> Generation Alder Lake-U Intel® Core™ i5 Processor



### Applications

- Edge AI Computing
- Factory Automation
- Transportation Management
- Automation Machine

### Features

- Intel® i5-1235U Compact box PC
- 2 x 2.5GbE (Intel® I226v)
- 2 x HDMI 2.0 up to 4K Resolution
- Fast Connectivity with 4 x USB 3.2 Gen2

### Ordering Information

| Part No.     | Description  |
|--------------|--|
| BPC-3112-1A1 | Intel® Core™ i5-1235U, 4 x USB3.2 Gen 2, 2 x USB2.0, 4 x RS232/422/485, 2 x 2.5GbE, 2 x HDMI, 8-bit GPIO, Line Out, Mic In, DC 9~36 V, Phoenix Connector |

### Packing List

| Description      |
|------------------|
| 1 x BPC-3112-1A1 |

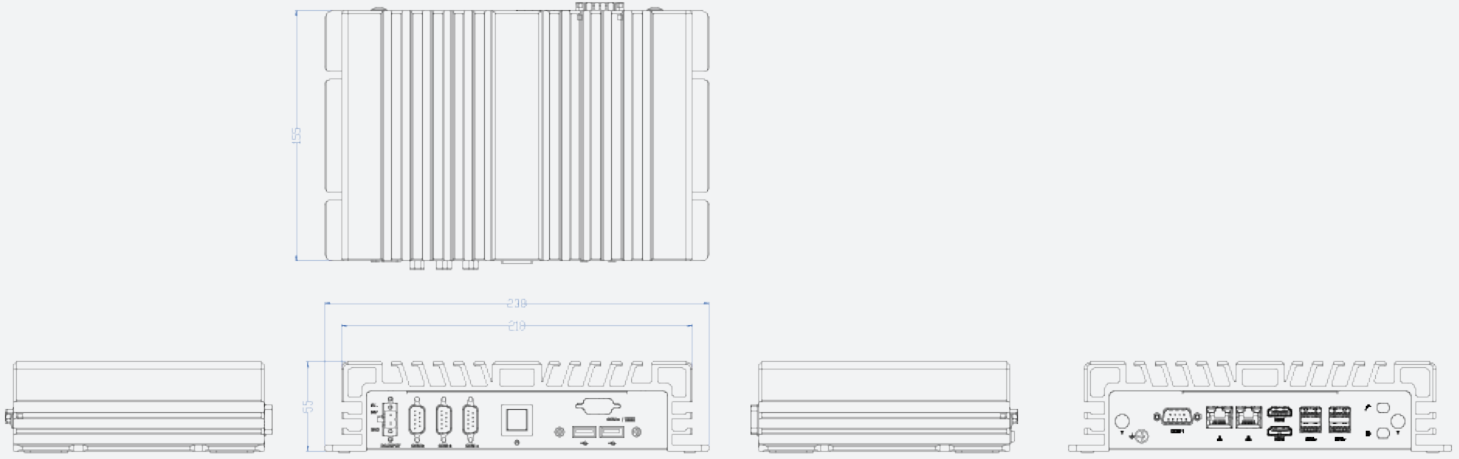
### Optional Items

| Part No.               | Description  |
|------------------------|--|
| EA-PS-80W12VTB2xx-0111 | Adaptor 80W/12V/6.7A_-30~70°C_TB2_GST90A12-P1M                               |
| 27-x301010005-CA       | Power Cord, 3-pin EU Type, 180 cm  |
| 27-x301000003-CA       | Power Cord, 3-pin US Type, 180 cm  |
| AWD-4G003              | 4G(LTE) EG25-G + 2 Antennas, Full Size (for Global)                          |
| AWD-WF003              | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size     |
| AWD-WF005              | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), M.2 2230 Type |

## Specifications

| Model            | BPC-3112-1A1   |  |
|------------------|--|--|
| Processor System | CPU  | Intel® Core™ i5-1235U Processor,10 cores, 12 threads |
|                  | BIOS   | UEFI   |
|                  | TPM  | TPM 2.0 (Optional)                                   |
| Memory           | Technology   | Dual Channel DDR4 3200 (un-buffered and non-ECC)     |
|                  | Max. Capacity  | 64GB   |
|                  | Type   | 2 x 260-pin SO-DIMM                                  |
| Display          | Graphics Engine                                      | Intel® Iris® X <sup>e</sup> Graphics                 |
|                  | Multiple Display                                     | 2  |
|                  | HDMI   | 2 x HDMI, Max Resolution 4096 x 2160                 |
| I/O Interface    | USB  | 4 x USB3.2 (Gen2), 2 x USB2.0                        |
|                  | Serial Port  | 4 x RS232/422/485                                    |
|                  | Ethernet   | 2 x 2.5GbE (Intel® I226v)                            |
|                  | Audio  | 1 x Line-out, 1 x Mic-in                             |
|                  | GPIO   | 4 x DI and 8 x DO                                    |
|                  | Antenna Hole   | 2  |
|                  | CMOS Battery   | 1 x CMOS Battery                                     |
| Storage          | M.2  | 1 x M.2 M-Key2 2280 (PCIe x4 and SATA III)           |
| Expansion        | Mini-PCIe  | 1 x Full-Size Mini-PCIe (PCIe, USB 2.0 and SIM)      |
|                  | M.2  | 1 x M.2 E-Key 2230 (PCIe, CNVi)                      |
|                  | SIM Holder   | 1 x Micro-SIM Holder                                 |
| Power            | Power Mode   | AT/ATX   |
|                  | Power Supply Voltage                                 | 9-36V DC Input                                       |
|                  | Power Connector Type                                 | 1 x DC Power Connector, 1x2-pin Terminal Block       |
| Mounting         | Type   | Wall Mount   |
| Environment      | Operating Temperature                                | -20 ~60°C  |
|                  | Storage Temperature                                  | -40 ~ 85°C   |
|                  | Humidity   | 0% ~ 90% (non-condensing)                            |
| General          | Vibration  | 1.5Grms, 5 - 500 Hz, 0.5 hr/axis                     |
|                  | Shock  | 50G, half sine, 11ms                                 |
|                  | Certification  | CE/FCC Class A                                       |
|                  | Thermal Dissipation                                  | Fanless for 15W CPU                                  |
|                  | Material   | Aluminum & SECC                                      |
|                  | Dimensions (W x D x H)                               | 238 x 155 x 55mm                                     |
|                  | Net Weight   | 1.8kg  |
| Operating System | Windows 10 IoT, Windwos 11 (IoT/Professional), Linux |  |

## Dimensions BPC-3112-1A1



## Viewing

