

# BPC-3064

## Embedded Box PC with Intel® Celeron® J6412 Processor



### Applications

- Embedded Control Systems
- Factory Automation
- Intelligent Gateway Systems
- Intelligent Robotic Control
- Data Collection

### Features

- Intel® Celeron® Elkhart Lake J6412 Processor
- 2 x DDR4 3200MHz, Max to 32GB
- Multiple Display: 2 x HDMI
- 2 x GbE LAN, 4 x USB3.2, 2 x USB2.0, 4 x COM
- M.2 M-Key 2280 (PCIe x2 & SATAIII)
- 12~36V DC Input

### Ordering Information

| Part No.     | Description                                                                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| BPC-3064-1A1 | Intel® Celeron® J6412 CPU, 2 x GbE, 2 x HDMI, 2 x RS-232/422/485, 2 x RS-232, 4 x USB3.2, 2 x USB2.0, Line Out, DC 12~36V, Phoenix Connector  |
| BPC-3064-2A1 | Intel® Celeron® J6412 CPU, 2 x 2.5GbE, 1 x HDMI, 1 x VGA, 2 x RS-232/422/485, 2 x RS-232, 2 x USB3.2, 4 x USB2.0, DC 9~24V, Phoenix Connector |

### Packing List

#### Description

1 x BPC-3064-1A1 / BPC-3064-2A1

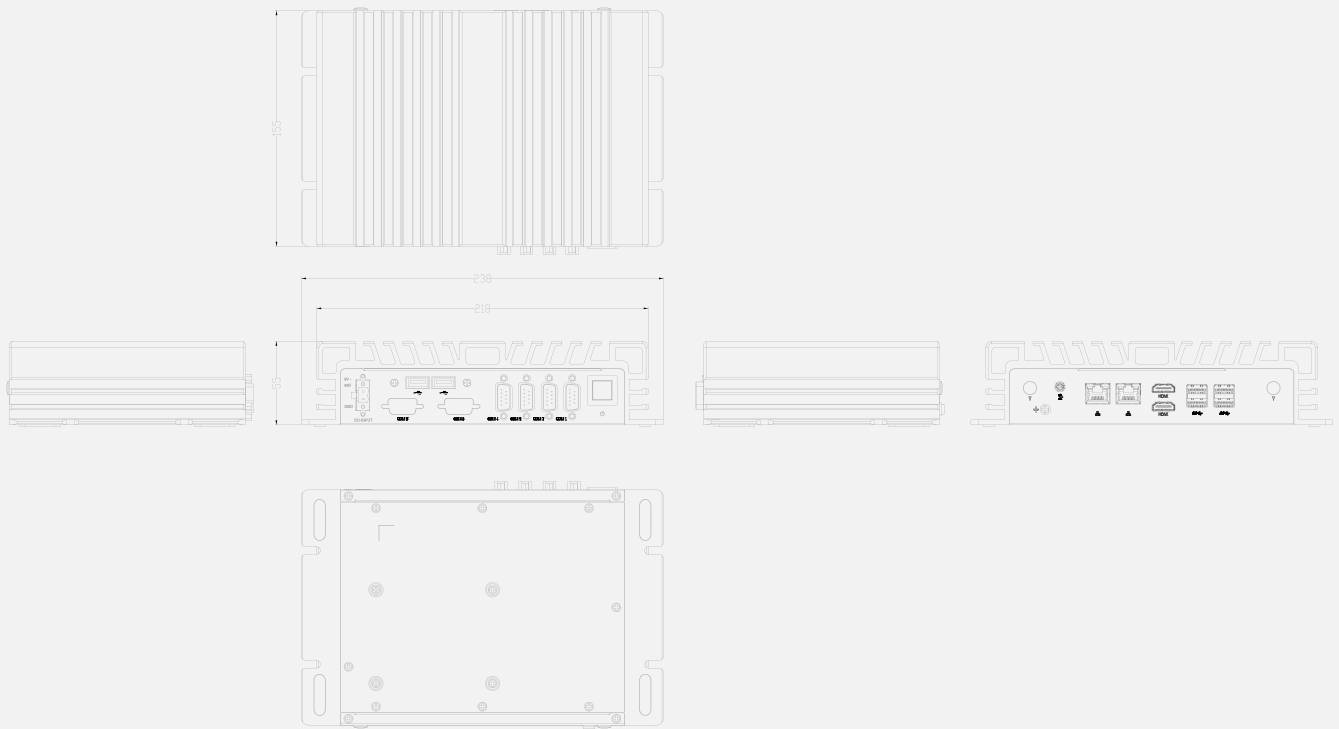
### Optional Items

| Part No.               | Description                                                                 |
|------------------------|-----------------------------------------------------------------------------|
| EA-PS-60W12VTB2xx-0111 | Adaptor 60W/12V/5A_0~70°C_2-Pin Terminal Block Plug 5.0mm Pitch             |
| EA-PS-60W12VTB2xx-0211 | Adaptor 60W/12V/5A -30~70°C 2-Pin Terminal Block Plug 5.0mm Pitch           |
| 27-x301010005-CA       | Power Cord, 3-pin EU Type, 180 cm                                           |
| 27-x301000003-CA       | Power Cord, 3-pin US Type, 180 cm                                           |
| EA-AWD-4G003xxxxx-0011 | 4G(LTE) EG25-G + 2 Antennas, Full Size (for Global)                         |
| EA-AWD-4G005xxxxx-0010 | 4G (LTE Cat. 4) EM05-G (for Global) + 2 Antennas (Dual Band), M.2 3042 Type |
| EA-AWD-WF003x01x1-0011 | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size    |
| EA-AWD-WFM2BT52TR-0011 | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) +2 Antennas (Dual Band), M.2 2230 Type |

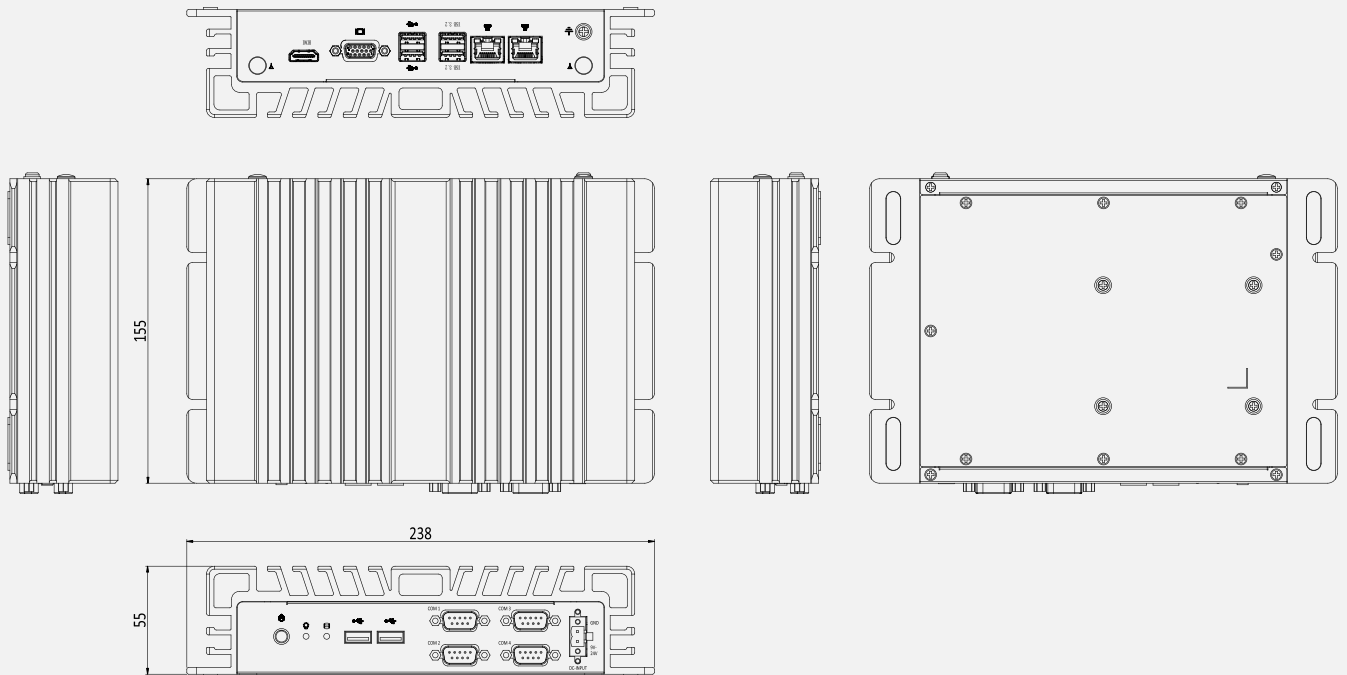
## Specifications

| Model            |                        | BPC-3064-1A1                                                           |  | BPC-3064-2A1                                                           |  |
|------------------|------------------------|------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|
| Processor System | CPU                    | Intel® Celeron® J6412 Processor                                        |  |                                                                        |  |
|                  | Frequency              | up to 2.6GHz                                                           |  |                                                                        |  |
|                  | BIOS                   | UEFI                                                                   |  |                                                                        |  |
| Memory           | Technology             | Dual Channel DDR4 3200MHz                                              |  |                                                                        |  |
|                  | Max. Capacity          | 32GB                                                                   |  |                                                                        |  |
|                  | Type                   | 2 x 260-pin SO-DIMM                                                    |  |                                                                        |  |
| Display          | Graphics Engine        | Intel® UHD Graphics                                                    |  |                                                                        |  |
|                  | Multiple Display       | 2                                                                      |  |                                                                        |  |
|                  | HDMI                   | 2 x HDMI, Max Resolution 4096 x 2160                                   |  | 1 x HDMI, Max Resolution 4096 x 2160                                   |  |
|                  | VGA                    | N/A                                                                    |  | 1 x VGA, Max Resolution 1920 x 1200                                    |  |
| I/O Interface    | USB                    | 4 x USB3.2 (Gen1), 2 x USB2.0                                          |  | 2 x USB3.2 (Gen1), 4 x USB2.0                                          |  |
|                  | Serial Port            | 2 x RS-232/422/485, 2 x RS-232                                         |  |                                                                        |  |
|                  | Ethernet               | 2 x GbE (Intel® i210-AT)                                               |  | 2 x 2.5GbE (Intel® i226-V)                                             |  |
|                  | Audio                  | 1 x Line-out                                                           |  | N/A                                                                    |  |
|                  | Antenna Hole           | 2                                                                      |  |                                                                        |  |
|                  |                        |                                                                        |  |                                                                        |  |
| Storage          | 2.5" SSD               | 1 x 2.5" SATA SSD                                                      |  |                                                                        |  |
|                  | M.2                    | 1 x M.2 M-Key 2280 (PCIe x2 and SATA III)                              |  |                                                                        |  |
| Expansion        | M.2                    | N/A                                                                    |  | 1 x M.2 B Key 3042/3052 (PCIe x1, USB3.2 w/ SIM slot for 4G/5G module) |  |
|                  | Mini-PCle              | 1 x Full-Size Mini-PCle (PCIe x1, USB2.0 w/ SIM slot for 4G/5G module) |  | 1 x Full-Size Mini-PCle (PCIe x1, USB 2.0 for WIFI/BT module)          |  |
|                  | SIM Holder             | 1 x Nano-SIM Holder                                                    |  |                                                                        |  |
|                  |                        |                                                                        |  |                                                                        |  |
| Power            | Power Mode             | AT/ATX                                                                 |  |                                                                        |  |
|                  | Power Supply Voltage   | 12~36V DC Input                                                        |  | 9~24V DC Input                                                         |  |
|                  | Power Connector Type   | 1 x DC Power Connector, 1 x 2-pin Terminal Block                       |  |                                                                        |  |
| Mounting         | Type                   | Wall Mount                                                             |  |                                                                        |  |
| Environment      | Operating Temperature  | -20 ~60°C                                                              |  |                                                                        |  |
|                  | Storage Temperature    | -40 ~ 80°C                                                             |  |                                                                        |  |
|                  | Humidity               | 0% ~ 90% (non-condensing)                                              |  |                                                                        |  |
| General          | Vibration              | IEC 60068-2-64: 5Grms, random, 5~500 Hz, 1hr/axis                      |  |                                                                        |  |
|                  | Shock                  | IEC 60068-2-27: 50G, half-sine, 11ms duration                          |  |                                                                        |  |
|                  | Certification          | CE/FCC Class A                                                         |  |                                                                        |  |
|                  | Thermal Dissipation    | Fanless System                                                         |  |                                                                        |  |
|                  | Material               | Aluminum & SECC                                                        |  |                                                                        |  |
|                  | Dimensions (W x D x H) | 238 x 155 x 55mm                                                       |  |                                                                        |  |
|                  | Net Weight             | 1.8kg                                                                  |  |                                                                        |  |
|                  | Operating System       | Windows 10 IoT, Windows 11 (IoT/Professional), Linux                   |  |                                                                        |  |

## Dimensions BPC-3064-1A1



## Dimensions BPC-3064-2A1



## Viewing

