



## Industrial Fanless PC w/Intel® Elkhart Lake Celeron® J6412 Processor

### ■ Features

- Intel® Celeron® J6412 CPU Elkhart Lake(2.0 GHz/2.6GHz)
- 1 x SDRAM DDR4 3200 MHz (max. 32G)
- 4 x Gb RJ45
- 2 x RS232/422/485
- 1 x DP and 1 x HDMI video output
- 2 x USB3.1, 2 x USB2.0
- 1 x M.2 2242 SSD
- Dimensions(WxHxD): 165 x 50 x 120 mm

### ■ Specifications

#### Display

|                    |  |
|--------------------|--|
| <b>Video Ports</b> | 1 x HDMI up to 4096 x 2160 @ 24Hz<br>1 x DP up to 4096 x 2160 @ 60Hz |
| <b>Graphics</b>    | Intel® UHD Graphics for 10 <sup>th</sup> Gen Intel® Processor        |

#### I/O Connector

|                     |  |
|---------------------|--|
| <b>Audio</b>        | 1 x Line-out<br>1 x Mic-in                               |
| <b>Serial Ports</b> | 2 x RS232/422/485(default RS-232) with auto flow control |
| <b>USB Ports</b>    | 2 x USB3.1<br>2 x USB2.0                                 |
| <b>LAN</b>          | 4 x RJ45   |

#### Power

|                    |                                    |
|--------------------|------------------------------------|
| <b>Power Input</b> | 12-24V DC, 2-pin phoenix connector |
|--------------------|------------------------------------|

#### Expansion

|                  |   |
|------------------|---|
| <b>Expansion</b> | 1 x M.2 2242 SSD slot (SATA signal supported) |
|------------------|---|

#### Environment

|                              |  |
|------------------------------|--|
| <b>Operating Temperature</b> | -20°C ~ 60°C                                   |
| <b>Storage Temperature</b>   | -40°C ~ 85°C                                   |
| <b>Humidity</b>              | 5% ~ 95% RH @40°C (non-condensing)             |
| <b>Random Vibration</b>      | 5~500Hz, 2Grms operation                       |
| <b>Shock</b>                 | Operation: 10G@11ms<br>Non-operation: 30G@11ms |

#### System

|                       |   |
|-----------------------|---|
| <b>CPU</b>            | Intel® Celeron® J6412 CPU Elkhart Lake (2.0 GHz/2.6GHz)   |
| <b>Memory</b>         | 1 x SDRAM DDR4 3200 MHz SO-SIMM slot (max. 32G)<br>4GB DDR4 SO-DIMM pre-installed*(CTOS)  |
| <b>LAN chipset</b>    | 1 x RJ45 Intel I210AT for 10/100/1000 Mbps<br>3 x RJ45 Intel I226-V for 10/100/1000 Mbps  |
| <b>Storage</b>        | 1 x M.2 2242 (SATA3.0)<br>128GB M.2 SSD pre-installed*(CTOS)  |
| <b>Watchdog Timer</b> | Programmable 255 levels timer interval, from 1~255 sec/min  |
| <b>OS Support</b>     | Windows 10, Ubuntu 20.04  |
| <b>Internal I/O</b>   | USB: 2 x USB2.0 encryption dongle (optional by internal pin head)<br>GPIO: 1 x 8bit programmable GPIO (default 3.3V, 5V optional) (optional by internal pin head) |

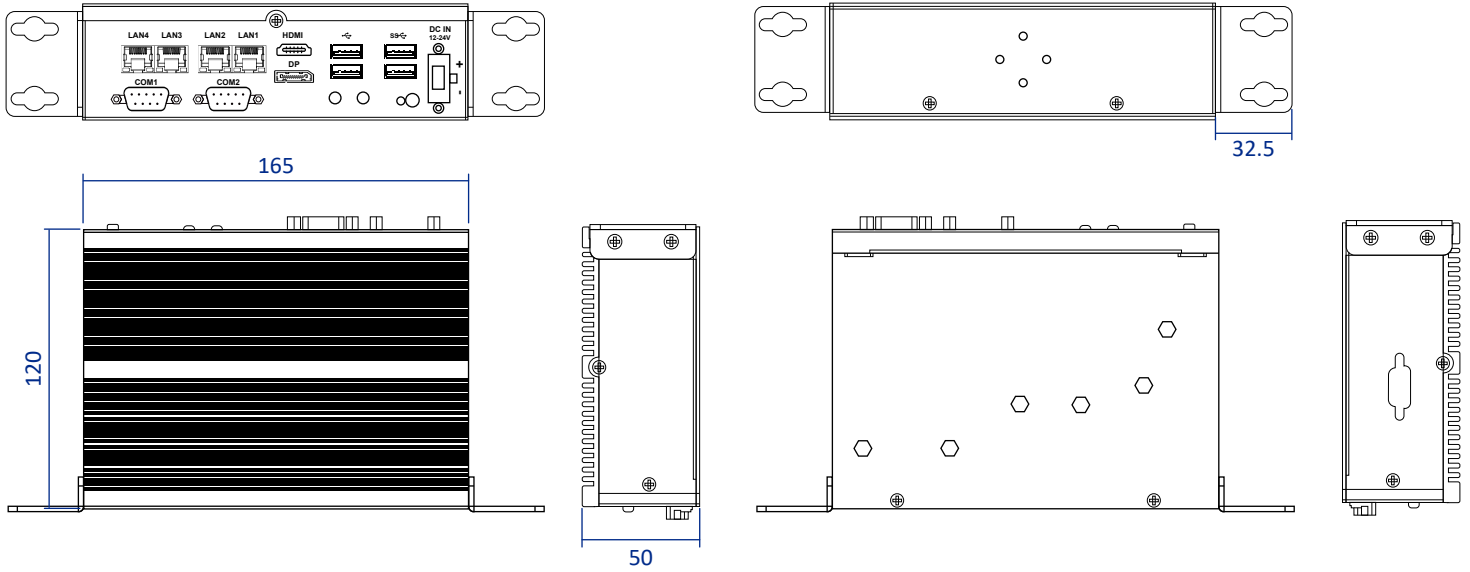
#### Certification Information (in Process)

|                      |         |
|----------------------|---------|
| <b>Certification</b> | CE, FCC |
|----------------------|---------|

#### Physical

|                                   |  |
|-----------------------------------|--|
| <b>Mounting Chassis</b>           | Desk-Mount, Wall-Mount, DIN-Rail(optional) |
| <b>Dimensions(W x H x D) (mm)</b> | 165 x 50 x 120                             |
| <b>Net Weight</b>                 | 0.8 KG                                     |

## ■ Mechanical Drawings (Unit = mm)



## ■ Ordering Codes

| Model Number    | Description   |
|-----------------|---|
| CBX-RB142-J6412 | Fanless PC with Intel® Celeron® Elkhart Lake J6412, 4GB RAM & 128GB SSD, 4 x LAN, 2 x COM, 4 x USB, 1 x HDMI, 1 x DP, DC 12-24V power input |

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