



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

Video Ports	1 x HDMI up to 4096 x 2160 @ 24Hz 1 x DP up to 4096 x 2160 @ 60Hz
Graphics	Intel® UHD Graphics for 10 th Gen Intel® Processor

I/O Connector

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

Power

Power Input	12-24V DC, 2-pin phoenix connector
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Expansion

Expansion	1 x M.2 2242 SSD slot (SATA signal supported)
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Environment

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

System

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

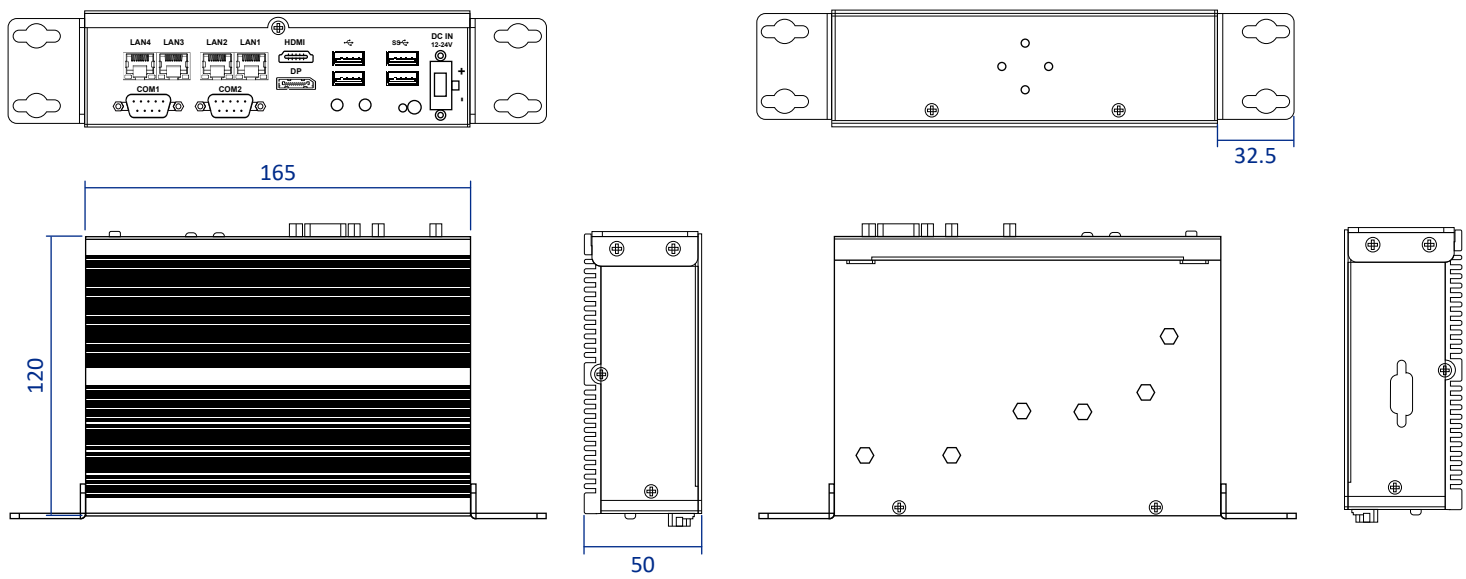
Certification Information (in Process)

Certification	CE, FCC
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Physical

Mounting	Desk-Mount, Wall-Mount, DIN-Rail(optional)
Chassis	Aluminum Alloy
Dimensions(W x H x D) (mm)	165 x 50 x 120
Net Weight	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