

# SB-122-1J64

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



## Features

- Intel® Celeron® J6412 CPU Elkhart Lake (2.0 GHz/2.6GHz)
- Support HDMI/DP Video outputs, resolution up to 4K@60Hz
- 4 USB ports (2 x USB2.0 + 2 x USB3.1)
- Small size(Palm-size), convenient to install
- All Aluminum Chassis enable excellent heat dissipation



HDMI



Over-voltage  
Protection



USB 3.1



-20~60°C



Reserved Power  
Protection

## 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)
Graphics	Intel® UHD Graphics for 10 <sup>th</sup> Gen Intel® Processors
LAN chipset	1 x Intel I210AT GbE controller 1 x Intel I226-V 2.5GbE controller
Watchdog Timer	Programmable 255 levels timer interval, from 1~255 sec/min

## Storage

Device	1 x M.2 M Key(2242) 128GB M.2 SSD pre-installed*(CTOS)
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## Power System

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

Windows 10, Ubuntu 20.04

## Qualification

Certification	CE, FCC
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## External I/O

Serial Ports	2 x RS-232/422/485 (default RS-232) with auto flow control
USB Ports	2 x USB3.1 2 x USB2.0
LAN	2 x RJ45
Video Ports	1 x HDMI up to 4096 x 2160 @ 24 Hz 1 x DP up to 4096 x 2160 @ 60 Hz

## Internal I/O

USB Ports	2 x USB2.0
Expansion Slot	1 x Mini-PCIe slot (PCIe/ USB2.0 signal supported) 1 x E-Key M.2 2230 slot (PCIe/USB2.0 signal supported)

## Mechanical

Chassis	Aluminum Alloy
Mounting	Desk-Mount, Wall-Mount, DIN-Rail(optional)
Dimension (W x H x D)	165 x 120 x 50 mm
Weight (Net)	0.8kg

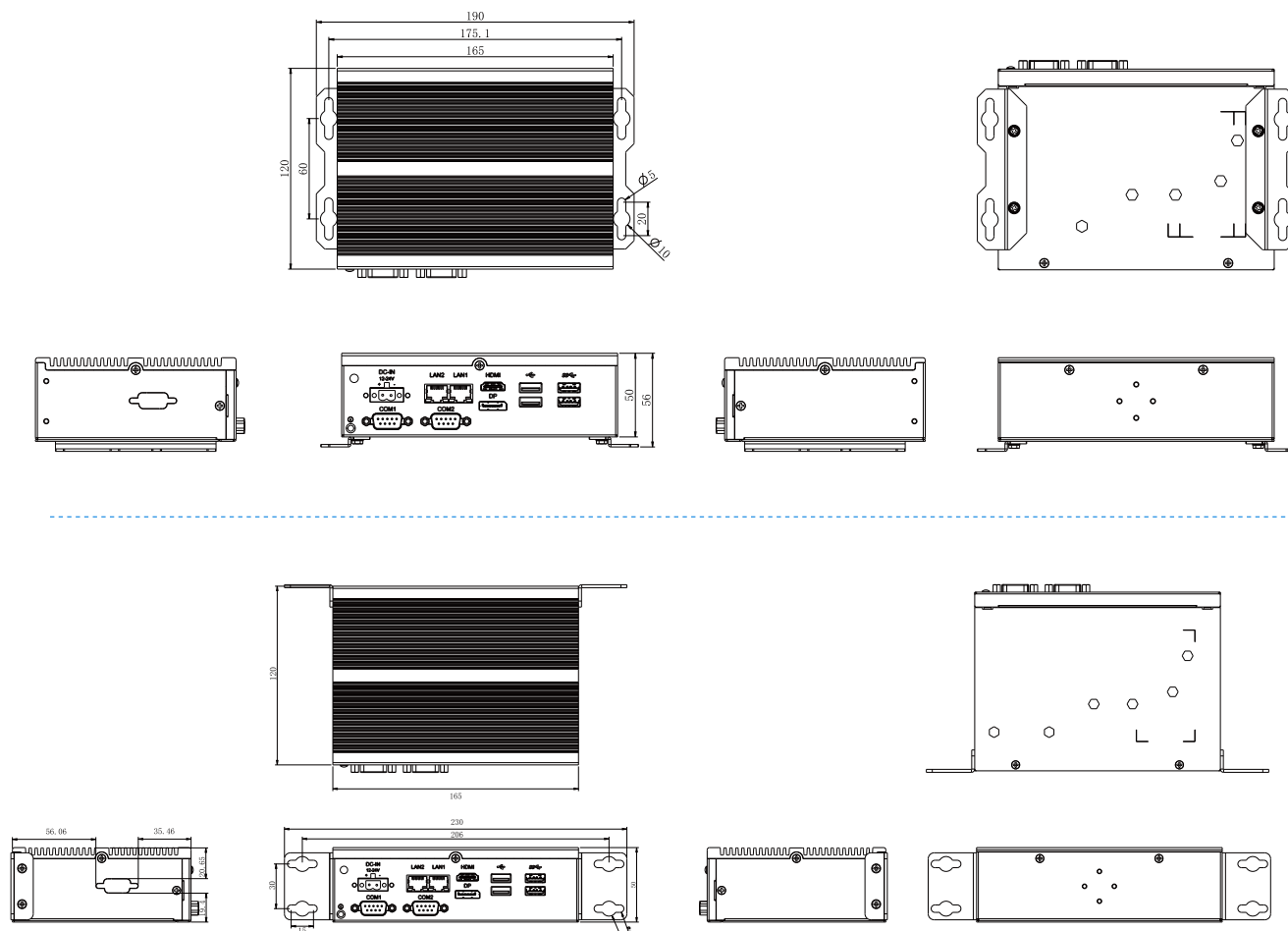
## Environmental

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

\*CTOS means Configure-to-Order Service.

# SB-122-1J64

## Dimensions



Unit: mm

## Ordering Information

SB-122-1J64

Barebone Fanless System, Intel Elkhart Lake series J6412, 2 x LAN, DP/HDMI, 4 x USB, 2 x COM, DC 12-24V power input



SB-122-1J64-R4S128

Fanless System with 4GB RAM & 128GB SSD, Intel Elkhart Lake series J6412, 2 x LAN, DP/HDMI, 4 x USB, 2 x COM, DC 12-24V power input



PAC-60W-FSP-SPA R1.0 AC/DC ADAPTER KIT (W/UKCA), 12V,60W,2 WIRE w/ USA POWER CORD

PAC-60W-FSP-SPA R1.1 AC/DC ADAPTER KIT (W/UKCA), 12V,60W,2 WIRE w/ EU POWER CORD

All specifications are subject to change without notice.