



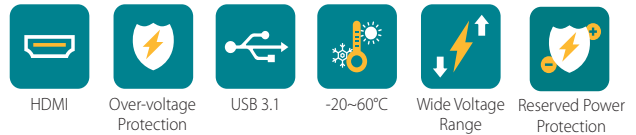
# SB-142-1J64

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)
- Support 4 Gigabit LAN
- Support DP/HDMI video output
- Support M.2 SSD



Industrial Automation System

<b>System</b>	
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 RJ45 Intel I210AT for 10/100/1000 Mbps 3 x RJ45 Intel I226-V for 10/100/1000 Mbps
Watchdog Timer	Programmable 255 levels timer interval, from 1~255 sec/min
<b>Storage</b>	
Device	1 x M.2 2242 (SATA3.0) 128GB M.2 SSD pre-installed*(CTOS)
<b>Audio</b>	
Type	1 x Line-out 1 x Mic-in
<b>Power System</b>	
Power Input	12-24V DC, 2-pin phoenix connector
<b>OS</b>	
Windows 10, Ubuntu 20.04	
<b>Qualification</b>	
Certification	CE, FCC
<b>External I/O</b>	
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
Video Ports	1 x HDMI up to 4096 x 2160 @ 24 Hz 1 x DP up to 4096 x 2160 @ 60 Hz

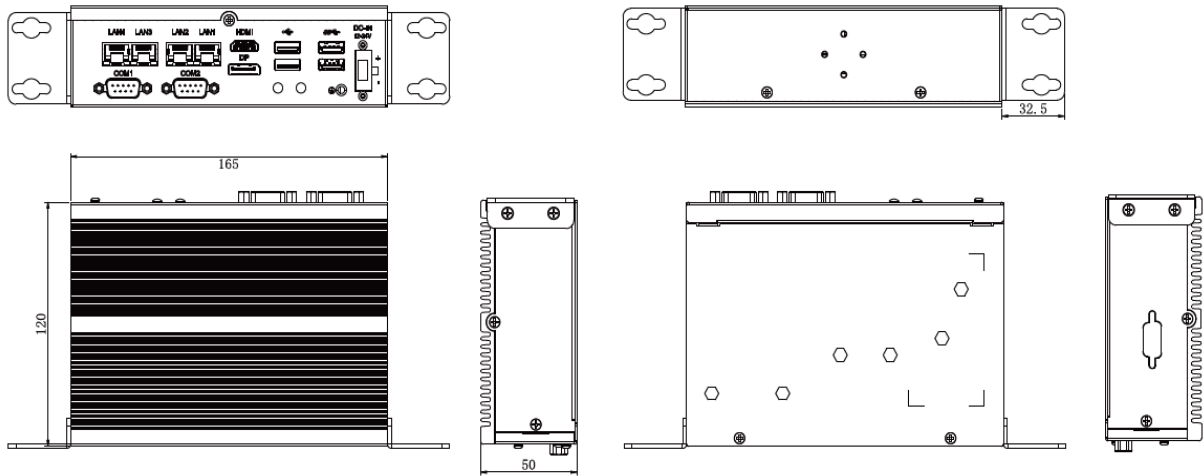
<b>Internal I/O</b>	
Expansion Slot	1 x M.2 2242 SSD slot(SATA signal supported)
USB	2 x USB2.0 encryption dongle (optional by internal pin head )
GPIO	1 x 8bit programmable GPIO (default 3.3V, 5V optional) (optional by internal pin head )
<b>Mechanical</b>	
Button	1 x Power button (with LED)
LED	1 x Power LED 1 x HDD LED
Chassis	Aluminum Alloy
Mounting	Desk-Mount, Wall-Mount, DIN-Rail(optional)
Dimension (W x H x D)	165*120*50 mm
Weight (Net)	0.8kg
<b>Environmental</b>	
Operating Temp.	-20 ~ 60°C
Storage Temp.	-40 ~ 85°C
Operating Humidity	5% ~ 95% (non-condensing)
Random Vibration	5~500Hz, 2Grms operation
Shock	Operation: 10G@11ms Non-operation: 30G@11ms

\*CTOS means Configure-to-Order Service.

All specifications are subject to change without notice.



## Dimensions



Unit: mm

## Ordering Information

SB-142-1J64-R4S128 Fanless System with 4GB RAM & 128GB SSD, Intel Celeron Elkhart Lake J6412, 4 x LAN, 2 x COM, 4 x USB, 1 x HDMI, 1 x DP, DC 12-24V power input



AC-DC Power Adapter (US) Input : 100V-240V, Output : 12V/5A; W/2-pin Terminal Block with screws, US Plug

AC-DC Power Adapter (EU) Input : 100V-240V, Output : 12V/5A; W/2-pin Terminal Block with screws, EU Plug

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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