

SB-122-2J64

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



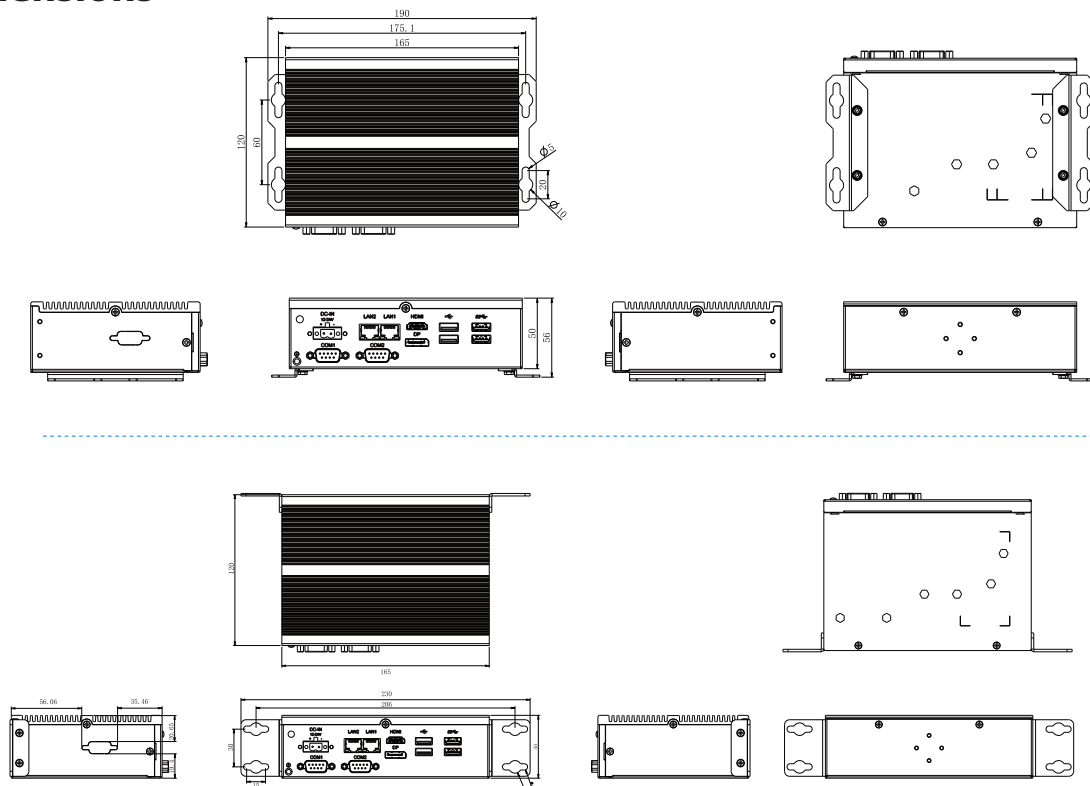
Reversed
Power Insertion
Protection

System	
CPU	Intel® Celeron® J6412 CPU Elkhart Lake (2.0 GHz/2.6GHz)
Memory	1 x SDRAM DDR4 3200 MHz SO-DIMM slot (max. 32G) 4GB DDR4 SO-DIMM pre-installed*(CTOS)
Graphics	Intel® UHD Graphics for 10 th 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)
Power System	
Power Input	12-24V DC, 2-pin phoenix connector
OS	
Windows 10, Ubuntu 20.04	
Qualification	
Certification	CE, FCC
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 (6.5" x 4.72" x 1.97")
Weight (Net)	0.8kg
Environmental	
Operating Temp.	-20 ~ 60°C (-4 ~ 140°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
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.

Dimensions



Unit: mm

Ordering Information

SB-122-2J64 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-122-2J64-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

Optional Accessories

PAC-60W-FSP-SPA R1.0 AC/DC ADAPTER KIT (W/UKCA), 19V, 120W, 2 WIRE w/ USA POWER CORD

PAC-60W-FSP-SPA R1.1 AC/DC ADAPTER KIT (W/UKCA), 19V, 120W, 2 WIRE w/ EU POWER CORD

PAC-60W-FSP-SPA R1.2 AC/DC ADAPTER KIT (W/UKCA), 19V, 120W, 2 WIRE w/ UK POWER CORD

PAC-60W-FSP-SPA R1.3 AC/DC ADAPTER KIT (W/UKCA), 19V, 120W, 2 WIRE w/ IN POWER CORD



2T71A7Y00-JTW-G DIN-RAIL/VESA Bracket, 165mm*115mm*10.5mm for SB-122-2J64