

SB-142-2J64

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, M.2 WiFi, Mini-PCle



HDMI



Over-voltage
Protection



USB 3.1



-20~60°C



Wide Voltage
Range



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 th Gen Intel® Processors
LAN chipset	1 x Intel I210AT 3 x Intel I226-V 2.5GbE controllers
Watchdog Timer	Programmable 255 levels timer interval, from 1~255 sec/min

Storage

Device	1 x M.2 2242 128GB M.2 SSD pre-installed*(CTOS)
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Audio

Type	1 x Line-out 1 x Mic-in (Chipset 888S/897)
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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 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

Internal I/O

Expansion Slot	1 x Mini-PCle slot (PCIe/ USB2.0 signal supported)
	1 x E-Key M.2 2230 slot (PCIe/USB2.0 signal supported)
	1 x M.2 2242 SSD slot(SATA signal supported)
SIM Card	1 x SIM Card socket for 3G/4G module
GPIO	1 x 8bit programmable GPIO (default 3.3V, 5V optional) (optional by internal pin head)

Mechanical

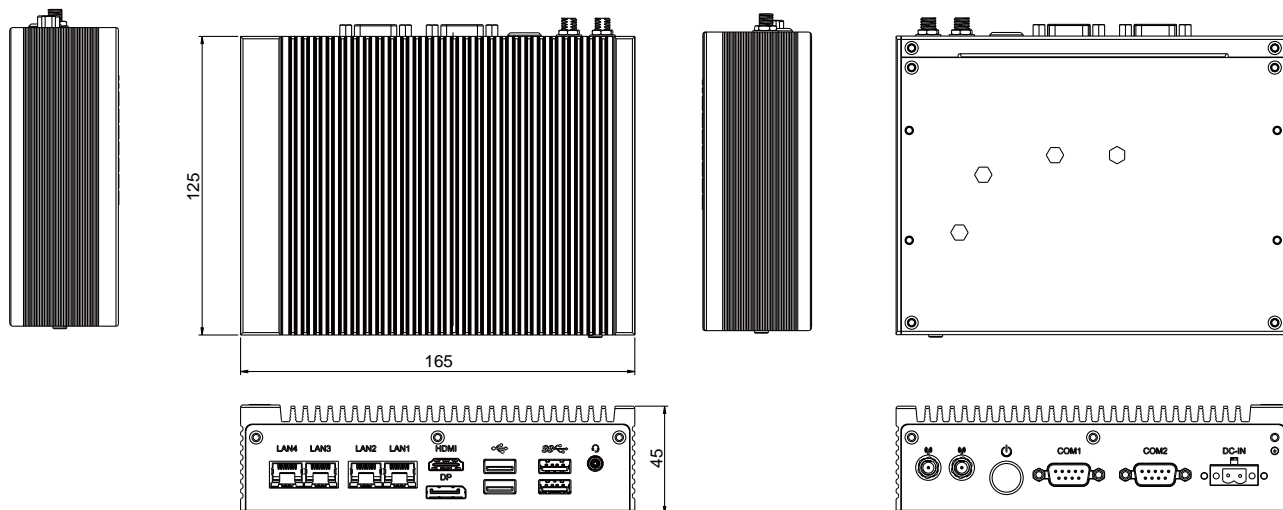
Button	1 x Power button
LED	1 x Power LED (Green for Power-on, Blink for Sleep mode, Off for Power-off)
Chassis	Aluminum Alloy
Mounting	Desk-Mount, Wall-Mount, DIN-Rail(optional)
Dimension (W x H x D)	165 x 125 x 45 mm
Weight (Net)	0.9kg

Environmental

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

*CTOS means Configure-to-Order Service.

Dimensions



Unit: mm

Ordering Information

SB-142-2J64

Barebone Fanless System, 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



SB-142-2J64-R4S128

Fanless System with 4GB RAM & 128GB SSD, Intel Celeron Elkhart Lake J6413, 4 x LAN, 2 x COM, 4 x USB, 1 x HDMI, 1 x DP, 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



Dicoel Srl
Viale Spagna,86
20093 Cologno Monzese MI
Tel. +39 022542999
Email sales@dicoel.it

All specifications are subject to change without notice.