



SB-244-1J64

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 SATA/M.2 SSD, M.2 WiFi, Mini-PCIe



HDMI



Over-voltage Protection



USB 3.1



-10~60°C



Wide Voltage Range



Reversed Power Insertion Protection

Industrial Automation System

| | |
|--------------------------|---|
| 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 3 x Intel I226-V 2.5GbE controllers |
| Watchdog Timer | Programmable 255 levels timer interval, from 1~255 sec/min |
| Storage | |
| Device | 1 x SATA 3.1 (2.5" HD) 1 x M.2 2242 (SATA3.0) 128GB M.2 SSD pre-installed*(CTOS) |
| Audio | |
| Type | 1 x Audio(Line-out & Mic-in) Chip 888S/897 |
| 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 RS232/RS422/RS485 (default RS-232) with auto flow control 2 x RS485 2 x RS232 (optional by internal pin head) |
| USB Ports | 2 x USB3.1 4 x USB2.0 1 x USB2.0 (for security dongle) |

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| 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 |
| GPIO Remote | 1 x 8bit programmable GPIO (default 3.3V, 5V optional) (optional by internal pin head) |
| Remote | 1 x SW |
| Indicators | 1 x Power LED(Green for Power-on, Blink for Sleep mode, Off for Power-off) |

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| Internal I/O | |
| 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) 1 x M.2 2242 SSD slot(SATA signal supported) |
| SIM Card | 1 x SIM Card socket for 3G/4G module |

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| Mechanical | |
| Button | 1 x Power button |
| Chassis | Aluminum Alloy |
| Dimension (W x H x D) | 200 x 153 x 52.8 mm |
| Weight (Net) | 1.5kg |

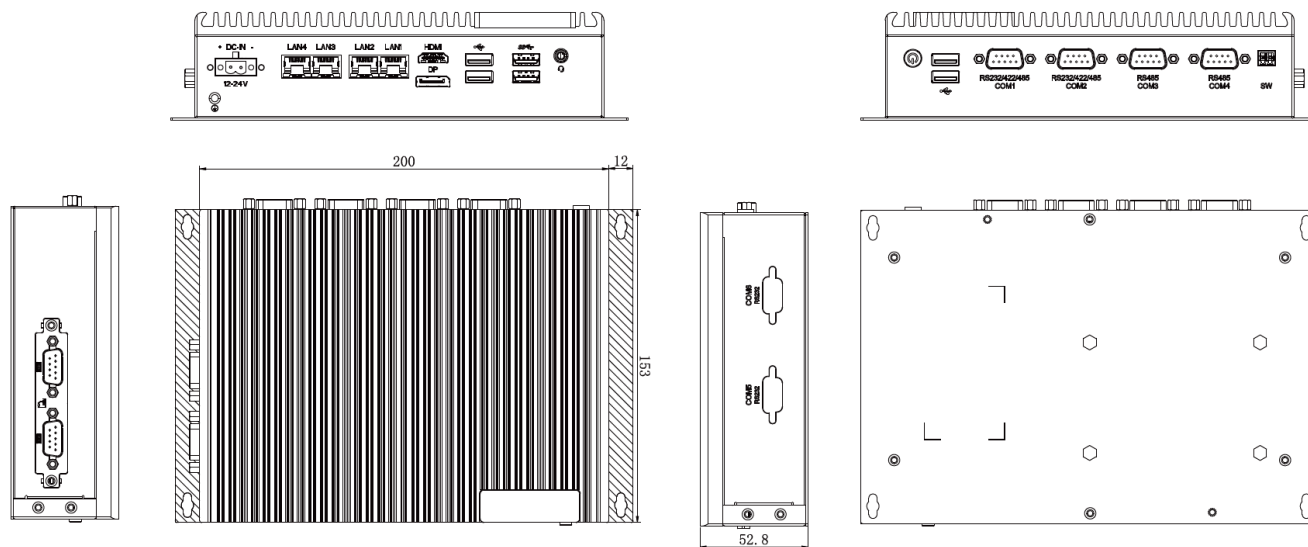
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|----------------------|--|
| Environmental | |
| Operating Temp. | -10 ~ 60°C |
| Storage Temp. | -40 ~ 85°C |
| Operating Humidity | 5 ~ 95% (non-condensing) |
| Random Vibration | 5~500Hz, 2Grms, operation |
| Shock | Operation: 10G@11ms Non-operation: 30G@11ms |
| ESD | Contact 6KV, Air 10KV |

*CTOS means Configure-to-Order Service.

All specifications are subject to change without notice.

SB-244-1J64

Dimensions



Ordering Information

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|--------------------|--|
| SB-244-1J64 | Barebone Fanless System Intel Celeron Elkhart Lake J6412, 4xLAN, 4xCOM(up to 6), 6xUSB, 1xHDMI, 1xDP, DC 12-24V power input |
| SB-244-1J64-R4S128 | Fanless System with 4GB RAM & 128GB SSD, Intel Celeron Elkhart Lake J6412, 4xLAN, 4xCOM(up to 6), 6xUSB, 1xHDMI, 1xDP, DC 12-24V power input |



Optional Accessories

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|----------------------|---|
| 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 |
| PAC-60W-FSP-SPA R1.2 | AC/DC ADAPTER KIT (W/UKCA),12V,60W,2 WIRE w/ UK POWER CORD |
| PAC-60W-FSP-SPA R1.3 | AC/DC ADAPTER KIT (W/UKCA),12V,60W,2 WIRE w/ IN POWER CORD |