



Features

- Intel® Celeron® J6412 quad-core 2.0 GHz processor
- 1 x DDR4 3200MHz SODIMM, MAX 32GB
- 1 x 2.5 SATA HDD, 1 x M.2 2280 NVMe or SATA SSD
- 1 x M2.0 (2230, Wifi+BT), 1 x M2.0 (3042/3052, 4G/5G)
- M12 I/O ports: 1 x HDMI / 1 x LAN / 1 x USB / 1 x COM
- Aluminum alloy casing, Full system IP67 level dustproof & waterproof
- Support TPM2.0 hardware security
- Wide Operating Temperature -30°C to 70°C
- 9V to 36V DC Wide Range Power Input, Supporting OVP / OCP / RPP

Specifications

| System | |
|---------------------|------------------------------------------------------------|
| CPU | Intel® Elkhart Lake Celeron J6412 Quad-core 2.0GHz |
| L2 Cache | 1.5MB |
| TDP | 10W |
| System Chipset | Integrated with Intel® SoC |
| Memory | 1 x DDR4L 3200MHz 4GB, MAX 32GB |
| Harddisk | 1 x M.2 120G SSD (250G / 500G / 2TB SSD) / 1 x 2.5" SATA |
| Graphics | Intel® UHD Graphics for 10th Gen Intel® Processors |
| Network | Intel® 226-V GbE LAN |
| Audio | Realtek ACL897 Audio controller |
| TPM | TPM 2.0 |
| Watchdog Timer | Software Programmable Supports 1~255 sec. System Reset |
| Operation System | Windows 10 / 11, Linux, Ubuntu |
| I / O | |
| VIDEO | 1 x H-DMI |
| Ethernet | 1 x M12 Waterproof Giga LAN RJ45 Connector |
| USB | 1 x M12 Waterproof Connector For USB2.0 |
| COM | 1 x M12 Waterproof Connector For COM |
| Wireless Network | Optional (WiFi / Bluetooth / 4G / 5G) |
| Other I/O Interface | 1 x Power Switch |
| Expansion | |
| M.2 | 1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT) |
| | 1*M.2 (Key-B, 3042/3052, PCIe/ USB 3.0+USB2.0, 4G/5G) |
| | 1*M.2 (Key-M, 2280, NVMe/ SATA, SSD) |
| SIM Socket | 1x SIM Socket |
| Power | |
| Power Adapter | 1 x Optional AC/DC 12V/5A , 60W |
| Power Input | 2-Pin M12 Power Input 9~36VDC, OVP / OCP / RPP |
| Power Consumption | ≤25W |

| Physical | |
|-----------------------|---------------------------------------------------------|
| Material | Aluminum Alloy Shell |
| Color | Grey / Silver / Black (optional) |
| Product Dimension | 220 x 180 x 55 mm |
| Mounting | 232 x 90 mm / 100 x 100 mm |
| Packing Size | 360 x 180 x 320 mm |
| Weight (Net) | 1.5 KG |
| Environment | |
| Operating Temperature | -30~70°C (-22~158°F) |
| Storage Temperature | -40~85°C (-40~185°F) |
| Relative Humidity | 5%~95%@40°C, non-condensing |
| Vibration Range | 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis |
| IP Level | IP67 / IP69K |
| EMC | CE, FCC, Class A, ROHS |

Dimension & I/O

The technical drawings show the following dimensions:

- Top view: 220.00 mm width, 180.00 mm height.
- Side view: 55.00 mm height, 63.00 mm depth.
- Bottom view: 232.00 mm width, 90.00 mm height.

I/O Definition:

- A: Power Switch
- B: H-DMI (optional)
- C: USB (optional)
- D: LAN (optional)
- E: COM (optional)
- F: DC 9V-36V
- G: 4G/5G+WIFI ANT

Ordering info

| Available models | Description |
|------------------|-----------------------------------------------------------------------------------------|
| EFIC-6000CB | Embedded Fanless Industrial Computer Intel® Elkhart Lake Celeron J6412 2.0GHz Processor |

Packing list

| |
|---------------------------------|
| 1 x Standard product |
| 1 x 60W PSU (Power Supply) |
| 1 x Fixed support |
| 1 x M12 Waterproof USB Cable 2M |
| 1 x M12 Waterproof COM Cable 2M |
| 1 x M12 Waterproof LAN Cable 2M |
| 1 x Waterproof HDMI Cable 2M |
| 1 x CD-ROM |