# EVI-C010SAR

10.4" Fanless Industrial Panel PC
Intel® Elkhart Lake Celeron J6412





## Features

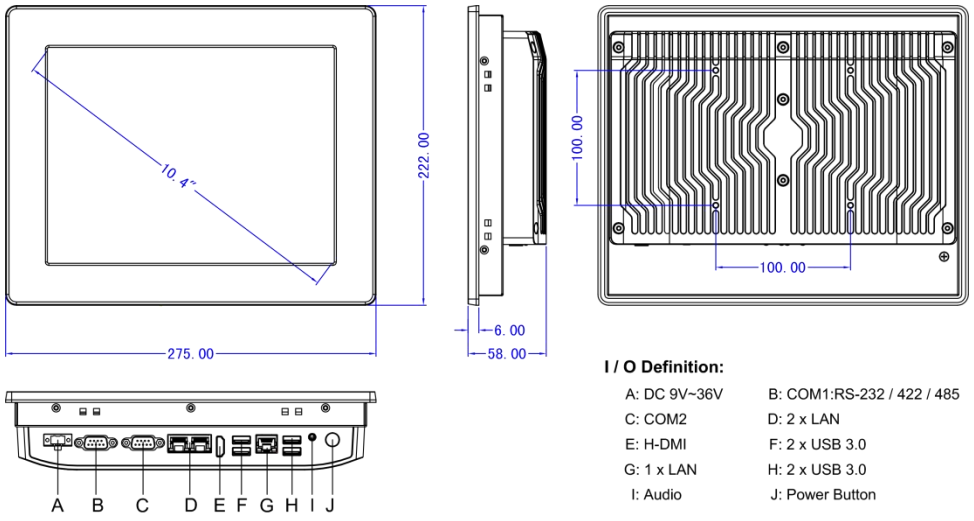
- Industrial-grade 10.4" XGA LCD panel with 30k backlight lifetime
- High precision 5-wires resistive touch, EETI controller
- IP65 grade aluminum alloy front panel
- Intel® Celeron® J6412 quad-core 2.0 GHz processor
- 1 x DDR4 SDRAM, max.32GB, 1 x M.2 2280 / 1 x 2.5" SATA SSD
- 3 x Intel® 226-V 2.5GbE Ethernet, support WoL and PXE
- 2 x RS232/422/485, RS485 support automatic flow control
- Support TPM2.0 hardware security
- Supports embedded / VESA 100mm x 100mm mounting holes
- 9V to 36V DC Wide Range Power Input，Supporting OVP / OCP / RPP

## Specifications

| | |
|---|---|
| **System** | |
| CPU | Intel® Elkhart Lake Celeron J6412 Quad-core 2.0GHz , TDP 10W |
| L2 Cache | 1.5MB |
| 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 | 3 x LAN （10/100/1000/2500 Mbps） |
| USB | 4 x USB 3.0 |
| COM | 2 x RS-232 / 422 / 485 ( Adjustable through BIOS ) |
| Audio | 1x Audio_out & Mic_in |
| Wireless Network | Optional （WiFi / Bluetooth / 4G / 5G ） |
| **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, SATA / SSD ) |
| SIM Socket | 1x SIM Socket |
| **Display** | |
| LCD Size | 10.4" ( 4:3 ) |
| Resolution | 800 x 600 / 1024 x 768 (可选) |
| Brightness (cd/m²) | 350 cd/m2 |
| Contrast Ratio | 800:1 |
| Backlight MTBF | 30000 hrs |
| Viewing Angle | 80 / 80 / 65 / 75 (CR≥10) ( L / R / U / D ) |
| **Touch screen** | |
| Touch Type | 5 Wire Resistive touch |
| Surface Hardness | ≥3H |

| Power | |
|---|---|
| Power Adapter | 1 x Optional AC/DC 12V/5A , 60W |
| Power Mode | Support AT, ATX Mode |
| Power Input | 2-Pin Terminal Block Connector with Power Input 9~36VDC |
| Power Protection | OVP (Over Voltage Protection) \| OCP (Over Current Protection) \| RPP (Reverse Polarity Protection) |
| Power Consumption | ≦35W |
| **Physical** | |
| Material | Aluminum alloy panel, anodized treatment |
| Mounting | Stand / Wall / VESA / Panel |
| Dimension (W x H x D) | 275 x 222 x 58 mm |
| Cut-out Size | 263 x 210 mm |
| Packing Size | 360 x 180 x 320 mm |
| Weight (Net) | 2.2 KG |
| **Environment** | |
| Operating Temperature | -20~70°C ( -4~158°F ) |
| Storage Temperature | -30~80°C (-22~176°F) |
| Relative Humidity | 5%~95%@40°C, non-condensing |
| Vibration Protection | 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis |
| IP Level | Front Panel IP65 |
| EMC | CE, FCC, UL, KC, Class A, ROHS , IEC / EN 62368-1 |

## Dimension & I/O




**I / O Definition:**

| | |
|---|---|
| A: DC 9V~36V | B: COM1:RS-232 / 422 / 485 |
| C: COM2 | D: 2 x LAN |
| E: H-DMI | F: 2 x USB 3.0 |
| G: 1 x LAN | H: 2 x USB 3.0 |
| I: Audio | J: Power Button |

**Panel Cutout Dimensions: 263 x 210 mm (10.35 x 8.27 in )**

## Ordering info

| Available models | Description |
|---|---|
| EVI-C010SAR | 10.4" Fanless Industrial Panel PC Intel® Elkhart Lake Celeron J6412 2.0GHz Processor With Resistive touch |
| EVI-X010SAR | 10.4" Fanless Industrial Panel PC Intel® Elkhart Lake Atom X6425E 2.0GHz Processor With Resistive touch |

## Packing list

| |
|---|
| 1 x Standard product |
| 1 x 60W PSU (Power Supply) |
| 1 x Power cable & plug |
| 8 x Panel mount metal clips |

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