# EVI-12SAC

8th / 10th Gen Intel® Alder Lake Core™
i3-8145U / i5-10210U / i7-8565U processor





## Features

- Industrial-grade 12.1" XGA LCD panel with 50k backlight lifetime
- True-flat touchscreen with multi-touch projected capacitive control
- IP66 grade aluminum alloy front panel
- 8th / 10th Gen Intel® Whiskey Lake Core™ i3 / i5 / i7 Processor
- 2 x DDR4 SDRAM, max.64GB, 1 x M.2 2280 / 1 x mSATA SSD
- 2 x Intel® 211 1GbE 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

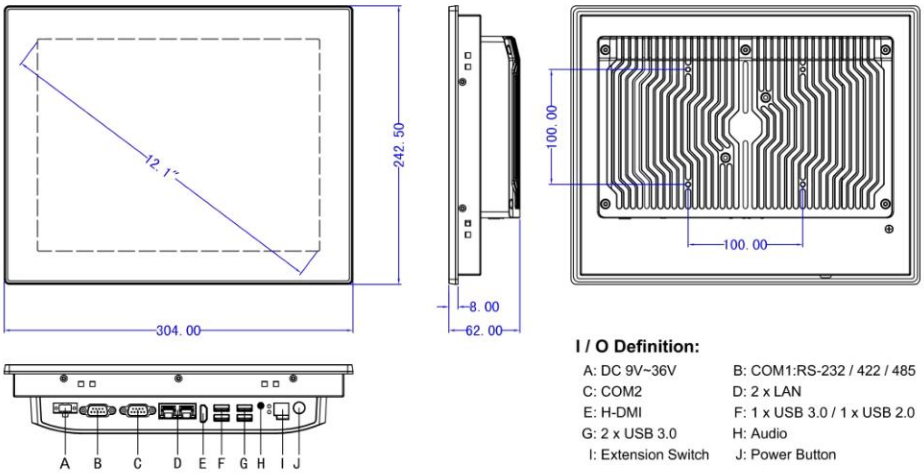
## Specifications

| | | | |
|---|---|---|---|
| **System** | | | |
| CPU | 8th Gen Intel® Core™ i3-8145U | 10th Gen Intel® Core™ i5-10210U | 8th Gen Intel® Core™ i7-8565U |
| L3 Cache | 4MB | 6MB | 8MB |
| TDP | 25W | 25W | 25W |
| System Chipset | Integrated with Intel® SoC | | |
| Memory | DDR4L 2400MHz 4GB, Up to 64GB | | |
| Harddisk | 1 x M.2 120G SSD ( 250G / 500G / 2TB SSD) / 1 x mSATA | | |
| Graphics | Intel HD Graphics 620 | | |
| Network | Intel® I211-AT 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 | 2 x LAN (10/100/1000 Mbps) | | |
| USB | 3 x USB 3.0 / 1 x USB 2.0 | | |
| 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 ) | | |
| SIM Socket | 1x SIM Socket | | |
| **Display** | | | |
| LCD Size | 12.1" ( 4:3 ) | | |
| Resolution | 800 x 600 / 1024 x 768 Optional | | |
| Brightness (cd/m²) | 500 | | |
| Contrast Ratio | 1200:1 | | |
| Backlight MTBF | 50000 hrs | | |
| Viewing Angle | 88 / 88 / 88 / 88 (CR≥10) ( L / R / U / D ) | | |
| **Touch screen** | | | |
| Touch Type | 10 point PCAP | | |
| Surface Hardness | ≥7H | | |

We reserve the right to change specifications and product descriptions at any time without prior notice.

| 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 Protectio |
| Power Consumption | ≦45W |
| **Physical** | |
| Material | Aluminum alloy panel, anodized treatment |
| Mounting | Stand / Wall / VESA / Panel |
| Dimension (W x H x D) | 304 x 243 x 62 mm |
| Cut-out Size | 290 x 229 mm |
| Packing Size | 450 x 170 x 350 mm |
| Weight (Net) | 2.9 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 IP66 |
| EMC | CE, FCC, 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: 1 x USB 3.0 / 1 x USB 2.0 |
| G: 2 x USB 3.0 | H: Audio |
| I: Extension Switch | J: Power Button |

**Panel Cutout Dimensions: 290 x 229 mm (11.42 x 9.0 in )**

## Ordering info

| Available models | Description |
|---|---|
| EVI-3012SAC | 12.1" Fanless Industrial Panel PC 8th Gen Intel® Whiskey Lake Core™ i3-8145U 2.1GHz Processor With Capcice touch |
| EVI-5012SAC | 12.1" Fanless Industrial Panel PC 10th Gen Intel® Comet Lake Core™ i5-10210U 1.6GHz Processor With Capcice touch |
| EVI-7012SAC | 12.1" Fanless Industrial Panel PC 8th Gen Intel® Whiskey Lake Core™ i7-8565U 1.8GHz Processor With Capcice touch |

## Packing list

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

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