01 Product Overview

Vibration | Shock | Lightning | Dust/Oil | ESD | Wide Temp. | EMI



The CESIPC EPC-308O industrial computer is a highly reliable embedded computing platform designed for sealed cabinet heat dissipation, marine vibration resistance, and overseas unattended supporting applications. It is equipped with an Intel® Core™ quad-core processor, dual Gigabit Ethernet, and rich industrial I/O interfaces, and supports 9-36V wide-voltage DC power input to adapt to complex industrial power environments. The system supports wireless communication expansion and integrates FlexCore™ modular architecture and SafeCore™ power-off protection technology, ensuring stable system operation while achieving high maintainability and long-term reliability. It is suitable for industrial control, data acquisition, and remote equipment application scenarios.

Features

FlexCore | SafeCore | Fanless | 12V | Dual LAN | USB 2.0 | HDMI | VGA | RS-485 | RS-422

Certifications

CCC | ISO9001

Key Features

- ★ Power: 3-pin Phoenix terminal DC wide-voltage power input, reverse polarity protection, easy wiring, firm and reliable;
- ★ Core: Intel® Core™ embedded quad-core processor, economical low power consumption, stable and reliable;
- ★ Ethernet: 2 Gigabit Ethernet ports, support Wake-on-LAN, ensuring high-speed and stable industrial network communication;
- ★ Rich I/O interfaces: 2 USB3.0, 4 USB2.0, 2 RS485, 8 RS232, etc.;
- ★ Expansion: Supports 1x Mini PCIe Wi-Fi module expansion; (optional Wi-Fi, Bluetooth, 4G/5G communication, CAN expansion, etc.);
- ★ Technology: FlexCore™ modular design, combining flexible expansion and high maintainability;
- ★ Reliability: FANLESS fanless cooling, reliable and stable, maintenance-free design;
- ★ Supports CESIPC SafeCore™ system-level protection technology, preventing power failure damage and ensuring long-term stable system operation;
- ★ Hardware-level auto power-on design, restarts upon power recovery, ensuring continuous operation in unattended scenarios;
- ★ Structure: 6061 high-strength aluminum alloy + sheet metal structure, industrial-grade rugged chassis;
- ★ O&M: Supports Windows 10 / Windows 11 / CentOS / Ubuntu and other common operating systems.

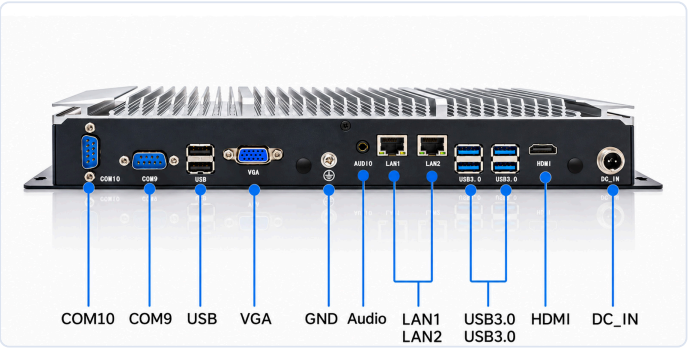
02 Product Images





03 I/O Interface





04 Technical Specifications

• Core Hardware

Parameter	Intel® Core™ i3-7100U	Intel® Core™ i5-7200U	Intel® Core™ i7-7560U
Processor	i3-7100U	i5-7200U	i7-7560U
Cores	2		
Threads	4	2	2
Frequency	2.4 GHz	2.6~3.5 GHz	2.4~3.8 GHz
Cache	4MB	6MB	8MB
TDP	15W		
Graphics	Intel UHD Graphics 620		
Memory	4~32GB DDR4		
Storage	1× M.2 SSD + 1× M.2 NVMe		

I/O Interfaces

Parameter	Specification
USB 2.0	4 × USB 2.0
USB 3.0	2 × USB 3.0
RS-232	8 × RS485
RS-485	2 × RS485 (optional RS232)
CAN Bus	—
HDMI	1 × HDMI
Gigabit Ethernet	2 × LAN (10/100/1000Mbps auto-adaptive); supports Wake-on-LAN (WOL)
Audio	1 × 3.5mm TRRS
Wi-Fi	Dual-band 2.4G/5G wireless card (optional)
4G/5G	—
GPIO	—

Power Input

Parameter	Specification
Power Connector	1x 3-pin pluggable terminal, supports 9~36V DC wide voltage input
ATX Switch	1× ATX power switch
Startup Mode	AT/ATX mode switch (built-in)

Product Attributes

Parameter	Specification
Dimensions	337 (L) × 160 (W) × 47.5 (H) mm
Mounting Dimensions	327 (L) × 100 (W) mm
Weight	2.25 KG net weight
Chassis Material	6061 high-strength aluminum alloy
Mechanical Structure	Aluminum extrusion + sheet metal structure
Mounting	Bracket mount / VESA standard wall mount
Reset Switch	1× reset switch
TPM	TPM 2.0
Watchdog	Hardware watchdog supported
MTBF	60,000 hrs

Operating Environment

Parameter	Specification
Operating Temp.	-20~60℃ (ultra-wide temp. -40~80℃ optional)
Storage Temp.	-30~70℃ (ultra-wide temp. -40~80℃ optional)
Humidity	10%~90%, non-condensing
EMC	CE, FCC (EN 55032 & EN 55035)
EMC Harmonics	EN IEC 61000-3-2

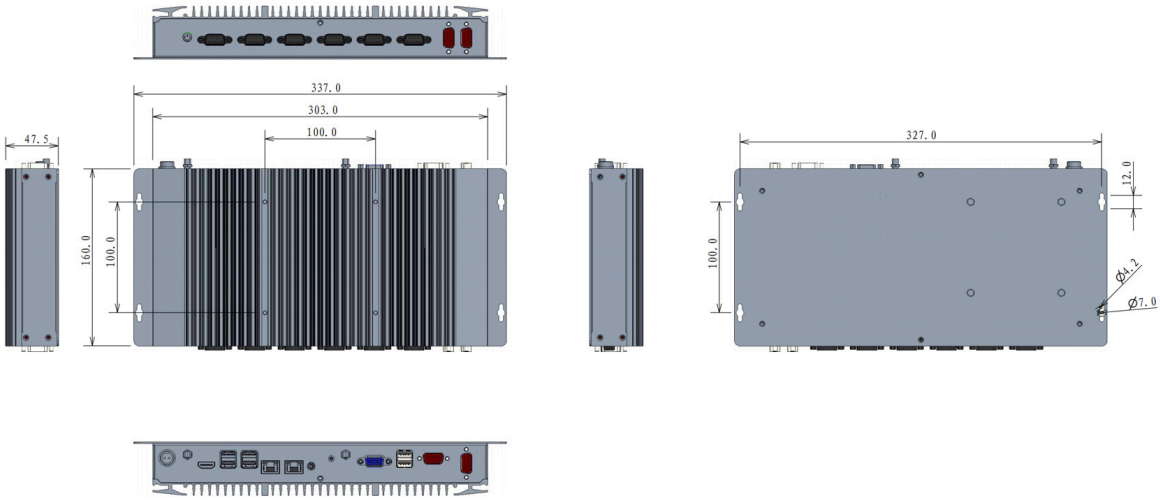
Operating System

Parameter	Specification
Windows	Windows 10 / Windows 11
Linux	Ubuntu 16.04 / 18.04 / 20.04 / 22.04

Certifications & Compliance

Parameter	Specification
Factory Cert.	ISO9001: 2015
BIOS Customization	BIOS / Boot LOGO / OEM

05 Mechanical Dimensions



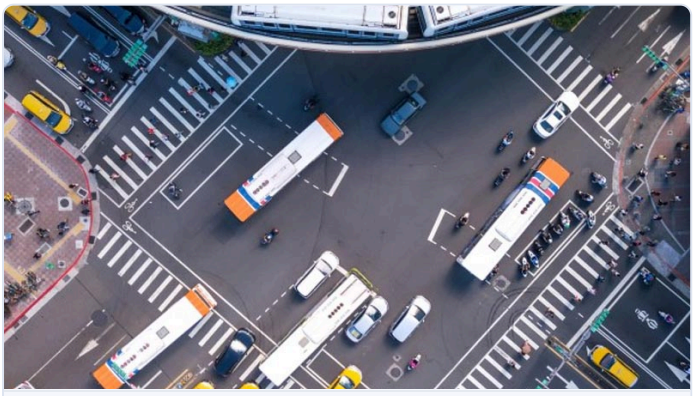
06 Applications



Industrial Equipment Control



Data Acquisition



Transportation



Energy

07 Ordering Information

NO.	Model	Part No.	Processor	Memory	Storage
1	EPC-308O	C10.03.02.002	Intel® Core™ i3-7100U	8GB DDR4	SSD 128GB
2	EPC-308O	C10.03.02.003	Intel® Core™ i5-7200U	16GB DDR4	SSD 256GB
3	EPC-308O	C10.03.02.001	Intel® Core™ i7-7560U	16GB	SSD 256GB

※ Note: Due to market fluctuations, key chips such as CPU models, memory, and hard drives may change. Please consult our sales team for details.

※ Specifications subject to change without notice. Data measured under standard test conditions.
For customization or support, contact CESIPC: 0755-85286060 · sales@cesipc.com · www.cesipc.com
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