

- Intel® Celeron® Processor J1900
- Intel® Celeron® Processor J6412

- Intel® Core™ 10th Processor
- Intel® Core™ 12th Processor

► Introduction

The EPC-302B series is a high-performance industrial PC featuring a fanless design and support for Intel® 12th Gen Core™ i3/i5/i7 processors. It offers five Gigabit LAN ports, rich I/O connectivity, and excellent system expandability. Designed for demanding industrial applications, the EPC-302B is ideal for semiconductor equipment, machine vision inspection systems, AGVs, medical imaging devices, and energy automation. Integrated with CESIPC's intelligent thermal control system and hot-swappable fans, it ensures stable performance under high-load and harsh conditions.

- ★ Intel® 12th Gen Core™ processor support
- ★ Five Gigabit LAN ports and versatile I/O

- ★ Intelligent thermal control with hot-swappable fan
- ★ Perfect for semiconductor and machine vision

► Specifications

System Core

CPU	Celeron J1900	Celeron J6412	i3-10110U	i5-10210U	i7-10510U	i3-1215U	i5-1235U	i7-1250U
Cores	4	4	2	4	4	6	10	10
Threads	4	4	4	8	8	8	12	12
Frequency	2.0-2.4	2.0-2.6	2.1-4.1	1.6-4.2	1.8-4.9	1.2-4.4	1.3-4.4	1.1-4.7
Cache	2MB	1.5MB	4MB	6MB	8MB	10MB	12MB	12MB
TDP	10W	10W	15W	15W	15W	15W	15W	9W
Graphics	HD	UHD	UHD	UHD	UHD	UHD Graphics	Iris Xe	Iris Xe
Memory	4-8GB DDR3L	4-16GB DDR4	4-32GB DDR4			8-32GB DDR5		
Storage	1 x mSATA SSD		1 x mSATA/ 1 x M.2 SSD			2 x M.2 SSD		

Power Supply

DC Input	1×2-pin Aviation Power Connector for 12V DC 9-36V DC Optional
Power Button	1x ATX Power On/Off Button
Booting	1x AT/ATX Mode Switch (Internal settings)

Wireless Communication

Wi-Fi	Intel N6235 300Mbps, 802.11a/b/g/n, 2.4G / 5G
Wireless Network	4G LTE Full Netcom Module

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I / O Ports

CPU	Celeron J1900	Celeron J6412	i3-10110U	i5-10210U	i7-10510U	i3-1215U	i5-1235U	i7-1250U
USB 2.0	5	4	2	2	2	2	2	2
USB 3.0	1	2	4	4	4	4	4	4
RS232	3	3	3	3	3	3	3	3
RS485	/	/	/	/	/	/	/	/
VGA	/	/	/	/	/	/	/	/
HDMI	1	1	1	1	1	1	1	1
Ethernet	5 x Intel I210	5 x Intel I210	5 x Intel I210	5 x Intel I210	5 x Intel I210	5 x Intel I210	5 x Intel I210	5 x Intel I210
Audio	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS

Mechanical

Dimension	337.0 (W) × 160.0 (D) × 47.5 (H) mm
Installation dimensions	327.0 (W) × 100.0 (D)
Weight	3.3 KG G.W.
Material	6063 High-Strength Aluminum Alloy
Mechanical	Aluminum Extrusion + Sheet Metal
Construction	Structure
Mount	Bracket Mount / VESA Mount
Clear CMOS Switch	1x Clear CMOS Switch

OS

Windows	Windows 10 / Windows 11 Note: Celeron J1900 can support Windows 7
Linux	Ubuntu 16.04 / 18.04 / 20.04 / 22.04

Environmental

Operating Temperature	0~50°C (-40~70°C Optional)
Storage Temperature	-10~60°C
Relative Humidity	10%~90% , Non-condensing
EMC	CE, FCC (According to EN 55032 & EN 55035)
Factory	EN IEC 61000-3-2
ODM	ISO9001: 2015
MTBF	BIOS / Boot on LOGO / OEM 60,000 Hours
Thermal Management	Hot-swappable fan with intelligent thermal control system

► Product Images



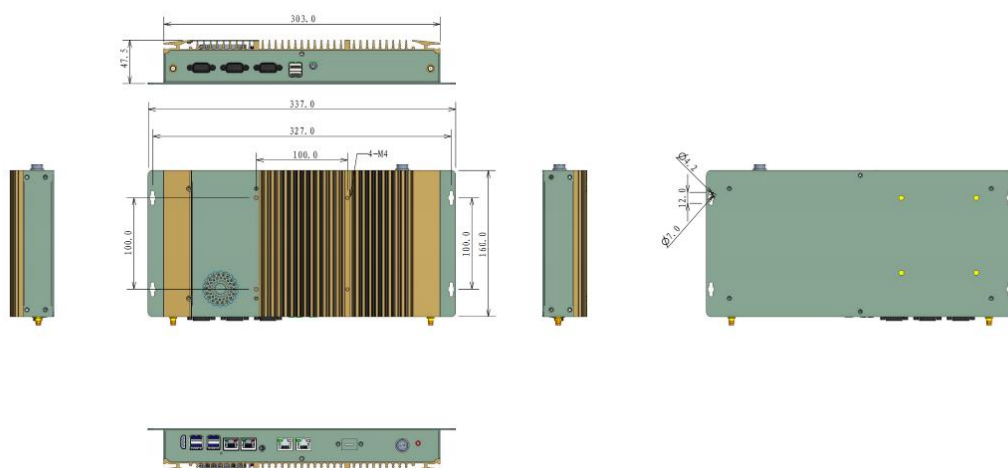
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► Applications



► Product Sizes



► Product Selection

NO.	Model	Product Part Number	Describe Information	Standard Memory	Standard Storage
1	EPC-306B		Intel® Celeron® Processor J1900 Processor	4GB	SSD 128GB
2	EPC-307B		Intel® Celeron® Processor J6412 Processor	8GB	SSD 256GB
3	EPC-309B		Intel® Core™ i3-10110U Processor	8GB	SSD 256GB
4	EPC-309B		Intel® Core™ i5-10210U Processor	8GB	SSD 256GB
5	EPC-309B		Intel® Core™ i7-10510U Processor	8GB	SSD 256GB
6	EPC-302B		Intel® Core™ i3-1215U Processor	8GB	SSD 256GB
7	EPC-302B	C10.03.04.005	Intel® Core™ i5-1235U Processor	16GB	SSD 256GB
8	EPC-302B		Intel® Core™ i7-1250U Processor	8GB	SSD 256GB

Note: CPU model may vary. Contact sales for details