

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

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



► Introduction

The CTN-102C industrial PC showcases a fanless embedded design, **powered by CESIPC's proprietary LEGO MODE technology, it offers 2xHDMI with EDID function**, equipped with 12th Gen Core™ i3/i5/i7 processors, delivering superior performance. Engineered for reliability, the CTN-102C ensures high functionality and meets rigorous protection standards, making it an optimal solution for mission-critical industrial applications.

- ★ 2xHDMI with EDID function
- ★ Board-to-board Design for Stable Performance

- ★ LEGO MODE with Customizable Function Cards
- ★ i-Door Technology for Efficient, Tailored Solutions

► Specifications

System Core

CPU	Celeron J1900	Celeron J6412	Core i3-10110U	Core i5-10210U	Core i7-10510U	Core i3-1215U	Core i5-1235U	Core 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 × 3-pin Pluggable Terminal Block 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	Core i3-10110U	Core i5-10210U	Core i7-10510U	Core i3-1215U	Core i5-1235U	Core i7-1250U
USB 2.0	0	0	0	0	0	0	0	0
USB 3.0	4	4	4	4	4	4	4	4
RS232	0	0	0	0	0	0	0	0
RS485	0	0	0	0	0	0	0	0
VGA	0	0	0	0	0	0	0	0
HDMI	2	2	2	2	2	2	2	2
Ethernet	2 x Intel I210	2 x Intel I210	2 x Intel I210	2 x Intel I210	2 x Intel I210	2 x Intel I210	2 x Intel I210	2 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

Environmental

Dimension	229.0 (W) × 160.0 (D) × 67 (H) mm
Installation dimensions	219.0 (W) × 100.0 (D)
Weight	1.5 KG N.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

Mechanical

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) EN IEC 61000-3-2
Factory	ISO9001: 2015
ODM	BIOS / Boot on LOGO / OEM
MTBF	60,000 Hours

OS

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

► Product Images



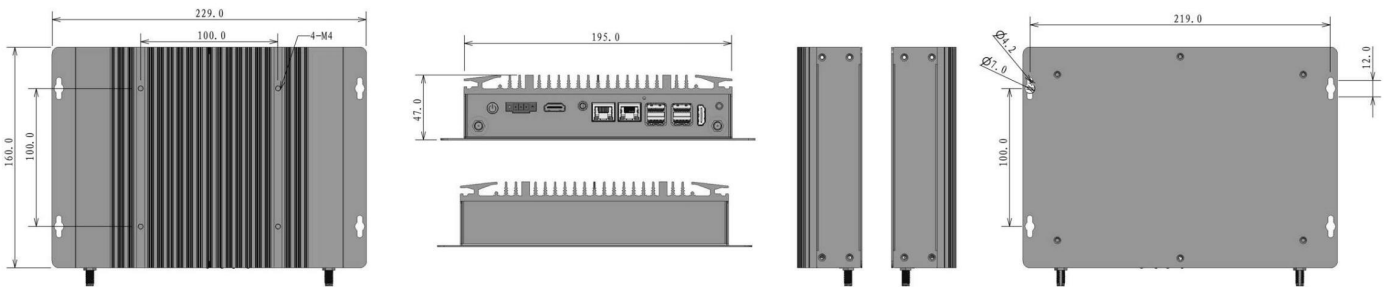
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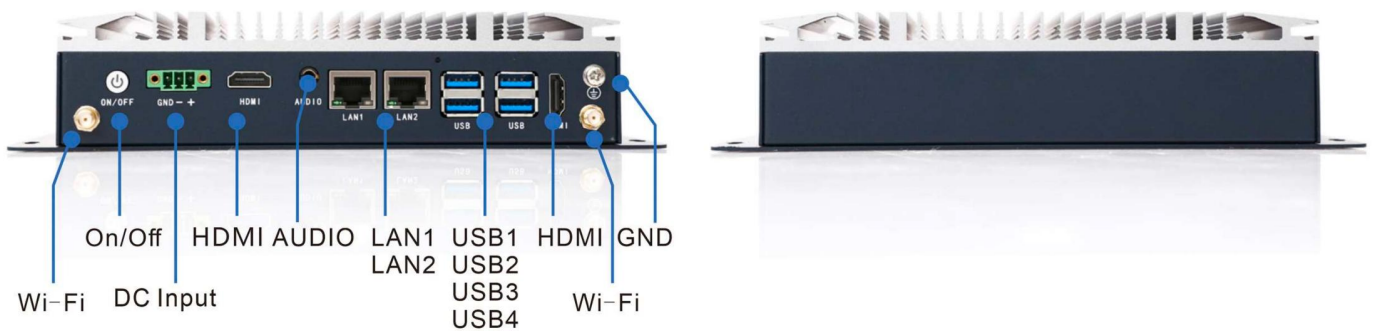
► Applications



► Product Sizes



► I/O



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► Product Selection

NO.	Model	Product Part Number	Describe Infomation	Standard Memory	Standard Storage
1	CTN-102C		Intel® Celeron® Processor J1900 Processor	4GB	SSD 128GB
2	CTN-102C		Intel® Celeron® Processor J6412 Processor	8GB	SSD 256GB
3	CTN-102C		Intel® Core™ i3-10110U Processor	8GB	SSD 256GB
4	CTN-102C		Intel® Core™ i5-10210U Processor	8GB	SSD 256GB
5	CTN-102C		Intel® Core™ i7-10510U Processor	8GB	SSD 256GB
6	CTN-102C		Intel® Core™ i3-1215U Processor	8GB	SSD 256GB
7	CTN-102C	C10.02.04.005	Intel® Core™ i5-1235U Processor	16GB	SSD 256GB
8	CTN-102C		Intel® Core™ i7-1250U Processor	8GB	SSD 256GB

Note: CPU model may vary. Contact sales for details