

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

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

► Introduction



The UPC-309R industrial PC showcases a fanless embedded design. It offers versatile configuration options, equipped with 10th Gen Core™ i3/i5/i7 processors, **powered by CESIPC's proprietary LEGO MODE technology, the UPC-309R features dual redundant power supplies**, making it ideal for industries requiring high system reliability and continuous operation, such as railway transportation, data centers, industrial control, energy management, and telecom stations. The redundant design ensures automatically switching to the backup power in case of a main power failure.

- ★ Multi-platform, Multi-tier CPU options
- ★ Board-to-board Design for Stable Performance

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

► Specifications

System Core

CPU	I3-10110U	I5-10210U	I7-10510U
Cores	2	4	4
Threads	4	8	8
Frequency	2.1-4.1	1.6-4.2	1.8-4.9
Cache	4MB	6MB	8MB
TDP	15W	15W	15W
Graphics	UHD	UHD	UHD
Memory	4-32GB DDR4		
Storage	1 x mSATA/ 1 x M.2 SSD		

I / O Ports

CPU	I3-10110U	I5-10210U	I7-10510U
USB 2.0	2	2	2
USB 3.0	4	4	4
RS232	4	4	4
RS485	2	2	2
VGA	1	1	1
HDMI	1	1	1
Ethernet	2 x Intel I210	2 x Intel I210	2 x Intel I210
Audio	3.5mm TRRS	3.5mm TRRS	3.5mm TRRS

Power Supply

DC Input	Redundant Power Supply with Warning Light
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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Mechanical

Dimension	300 (W) × 160 (D) × 50 (H) mm
Cutout Size	337 (W) × 160 (D) × 53.2 (H) mm
Weight	3.7KG G.W.
Material	6063 High-Strength Aluminum Alloy
Mechanical	Aluminum Extrusion + Sheet Metal
Construction	Structure
Mount	Bracket Mount / VESA Mount

OS

Windows	Windows 10 / Windows 11
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)
	EN IEC 61000-3-2
Factory	ISO9001: 2015
ODM	BIOS / Boot on LOGO / OEM
MTBF	60,000 Hours

Product Images



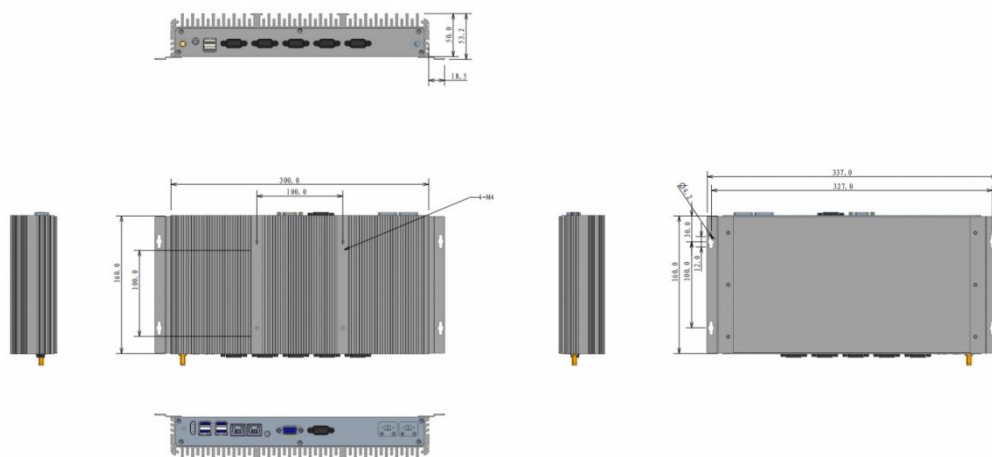
Applications



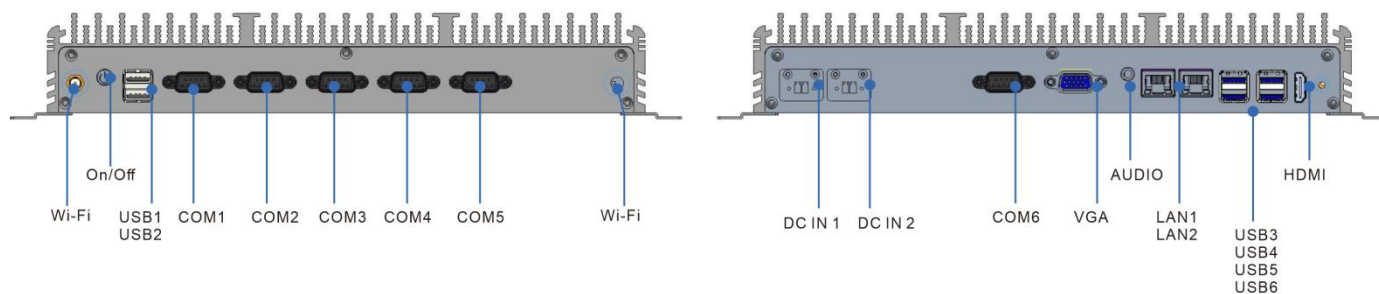
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► Product Sizes



► I/O



► Product Selection

NO.	Model	Product Part Number	Describe Infomation	Standard Memory	Standard Storage
1	UPC-309R		Intel® Core™ i3-10110U Processor	8GB	SSD 256GB
2	UPC-309R	C8.03.03.044	Intel® Core™ i5-10210U Processor	16GB	SSD 512GB
3	UPC-309R		Intel® Core™ i7-10510U Processor	8GB	SSD 256GB

Note: CPU model may vary. Contact sales for details