

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

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



► Introduction

The UPC-309C industrial PC showcases a fanless embedded design, equipped with 10th Gen Core™ i3/i5/i7 processors. Based on CESIPC LEGO-Mode, the UPC-309C, equipped with a TF and SIM card slot, is ideal for applications in smart transportation, mobile surveillance, remote monitoring, and IoT gateways. Its support for wireless communication makes it perfect for scenarios where stable data transmission and remote connectivity are essential.

- ★ 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	0	0	0
USB 3.0	4	4	4
RS232	2	2	2
RS485	2	2	2
VGA	0	0	0
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	1 x 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 Card	4G LTE Full Netcom Module TF+SIM

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

► Product Images



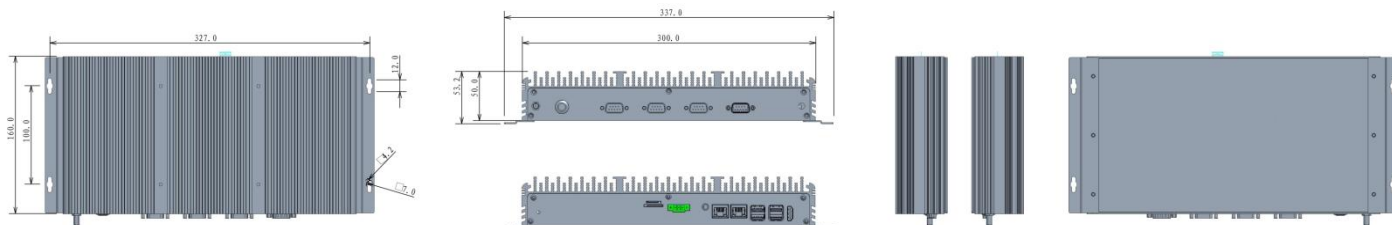
► Applications



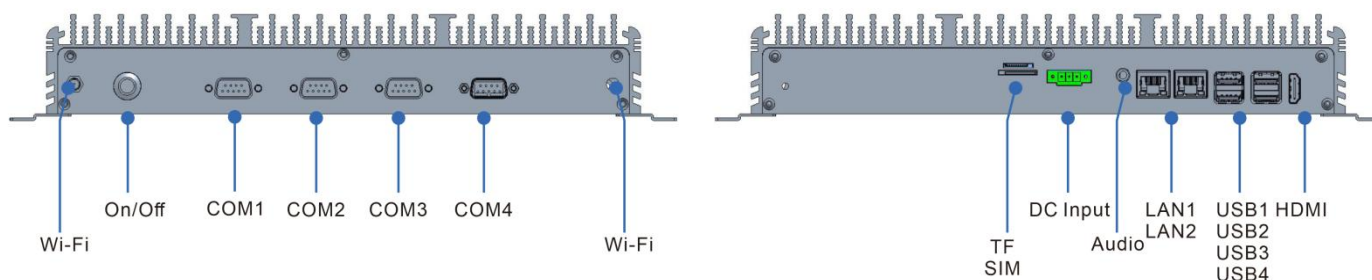
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► Product Sizes



► I/O



► Product Selection

NO.	Model	Product Part Number	Describe Information	Standard Memory	Standard Storage
1	UPC-309C		Intel® Core™ i3-10110U Processor	8GB	mSATA SSD 256GB
2	UPC-309C		Intel® Core™ i5-10210U Processor	8GB	mSATA SSD 256GB
3	UPC-309C	C8.03.03.017	Intel® Core™ i7-10510U Processor	16GB	mSATA SSD 512GB

Note: CPU model may vary. Contact sales for details