

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

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



► Introduction

The UPC-209B 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-209B, equipped with GPIO (General Purpose Input/Output),** is ideal for industries requiring device-level control and signal interaction, such as industrial automation, smart building systems, equipment monitoring, and security access control.

- ★ 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	2	2	2
RS485	1	1	1
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
GPIO	8-in/ 8-out	8-in/ 8-out	8-in/ 8-out

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	4G LTE Full Netcom Module

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Mechanical

Dimension	195 (W) × 160 (D) × 42.8 (H) mm
Cutout Size	272.6 (W) × 160 (D) × 46 (H) mm
Weight	1.7 KG N.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

Note: Celeron J1900 can support Windows 7

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



