

Compact Embedded Industrial PC

- ⑥ Intel® Celeron® Processor J1900
- ⑦ Intel® Celeron® Processor J6412

- ⑨ Intel® Core™ 10th Processor
- ② Intel® Core™ 12th Processor



## ► Introduction

The UPC-20XA series industrial PC showcases a fanless embedded design powered by CESIPC's proprietary LEGO MODE technology. It offers versatile configuration options, equipped with Intel® Celeron or advanced 10th/12th Gen Core™ i3/i5/i7 processors, delivering superior performance. Engineered for reliability, the UPC-20XA ensures high functionality and meets rigorous protection standards, making it an optimal solution for mission-critical industrial applications.

- ★ 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

## ► 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	2-6	2-10	2-10
Threads	4	4	4	8	8	4-8	8-12	8-12
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	1.0-4.7
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 730	Iris Xe	Iris Xe
Memory	4-8GB DDR3L	4-32GB DDR4				4-32GB DDR5		
Storage	1 x mSATA	1 x mSATA/ 1 x M.2 SSD				1 x M.2 SSD		

### Power Supply

DC Input	1 × 3-pin Pluggable Terminal Block for 12V DC 9-36V DC Optional
Booting	AT / ATX

### 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	2	2	2	2	2	2	2
USB 3.0	1	4	4	4	4	4	4	4
RS232	2	2	2	2	2	2	2	2
RS485	1	1	1	1	1	1	1	1
VGA	1	1	1	1	1	1	1	1
HDMI	1	1	1	1	1	1	1	1
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

Operating Temperature	0~50°C (-40~70°C Optional)
Storage Temperature	-10~60°C
Humidity	10%~90% , Non-condensing

### Mechanical

Dimension	195 (W) × 158 (D) × 42.8 (H) mm
With Bracket	229 (W) x 160 (D) x 46 (H) mm
Weight	1.7 KG N.W.
Material	6063 High-Strength Aluminum Alloy
Mount	Bracket Mount / VESA Mount

### Certs & Services

Product	CE / FCC / BIS
Factory	According to EN 55032 & EN 55035
ODM	ISO9001: 2015
MTBF	BIOS / Boot on LOGO / OEM
	60,000 Hours

### OS

Windows	Windows 10 / Windows 11
Linux	Ubuntu 12.04 / 14.04 / 16.04 / 20.04

## ▶ Product Images



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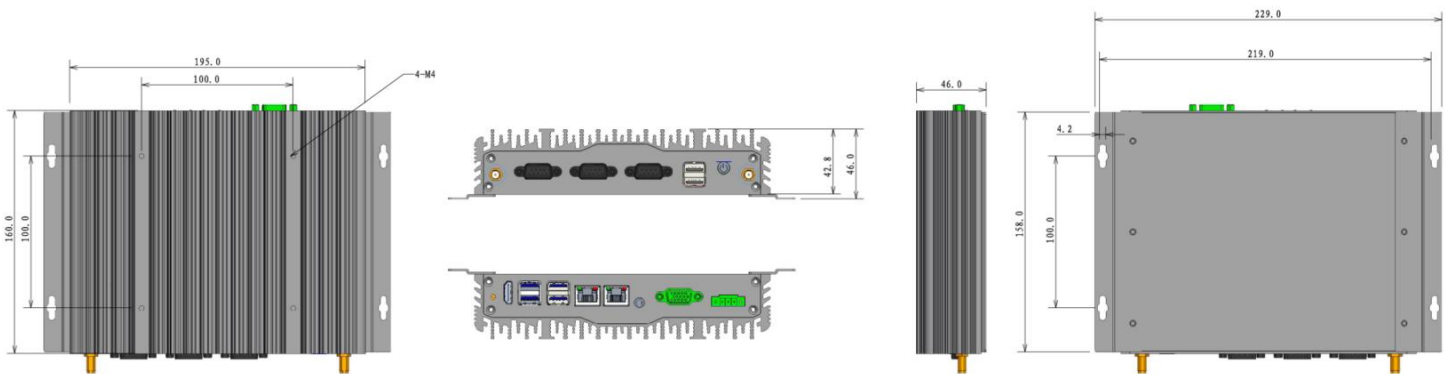
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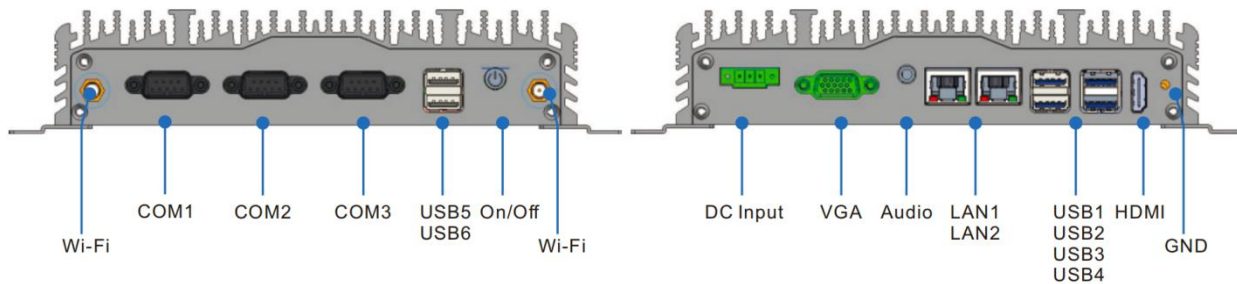
### Applications



### Product Sizes



### I/O



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## ▶ Product Selection

NO.	Model	Product Part Number	Describe Infomation	Standard Memory	Standard Storage
1	UPC-206A		Intel® Celeron® Processor J1900 Processor	4GB	mSATA SSD 128GB
2	UPC-207A		Intel® Celeron® Processor J6412 Processor	8GB	mSATA SSD 256GB
3	UPC-209A		Intel® Core™ i3-10110U Processor	8GB	mSATA SSD 256GB
4	UPC-209A		Intel® Core™ i5-10210U Processor	8GB	mSATA SSD 256GB
5	UPC-209A		Intel® Core™ i7-10510U Processor	8GB	mSATA SSD 256GB
6	UPC-202A		Intel® Core™ i3-1215U Processor	8GB	M.2 SSD 256GB
7	UPC-202A		Intel® Core™ i5-1235U Processor	8GB	M.2 SSD 256GB
8	UPC-202A		Intel® Core™ i7-1250U Processor	8GB	M.2 SSD 256GB