

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

- Intel® Core™ 7th Processor
- Intel® Core™ 12th Processor

► Introduction

The UPC-108H industrial PC showcases a fanless embedded design powered by CESIPC's proprietary LEGO MODE technology, **It offers 4000mAh battery for backup power protection**, equipped with Intel® 7th Gen Core™ i3/i5/i7 processors, delivering superior performance. Engineered for reliability, the UPC-108H 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 Solutions

► Specifications

System Core

CPU	Celeron J1900	Celeron J6412	Core i3-7100U	Core i5-7200U	Core i7-7500U	Core i3-1215U	Core i5-1235U	Core i7-1250U
Cores	4	4	2	2	2	6	10	10
Threads	4	4	4	4	4	8	12	12
Frequency	2.0-2.4	2.0-2.6	2.4	2.50-3.10	2.70-3.50	1.2-4.4	1.3-4.4	1.1-4.7
Cache	2MB	1.5MB	4MB	4MB	4MB	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	4-16GB DDR4			8-32GB DDR5		
Storage	1 x mSATA SSD		1 x mSATA			2 x M.2 SSD		

Power Supply

DC Input	1 × 2-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 i3-7100U	Core i5-7200U	Core i7-7500U	Core i3-1215U	Core i5-1235U	Core i7-1250U
USB 2.0	5	4	2	2	2	2	2	2
USB 3.0	1	2	4	4	4	4	4	4
RS232	2	2	2	2	2	2	2	2
RS485	0	0	0	0	0	0	0	0
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

Mechanical

Dimension	195*160*65.3mm
Cutout Size	229*160*68.5mm
Weight	1.95 KG N.W.
Material	6063 High-Strength Aluminum Alloy
Mechanical	Aluminum Extrusion + Sheet Metal
Construction	Structure
Mount	Bracket Mount / VESA Mount
Battery	4000mAh (backup power protection)

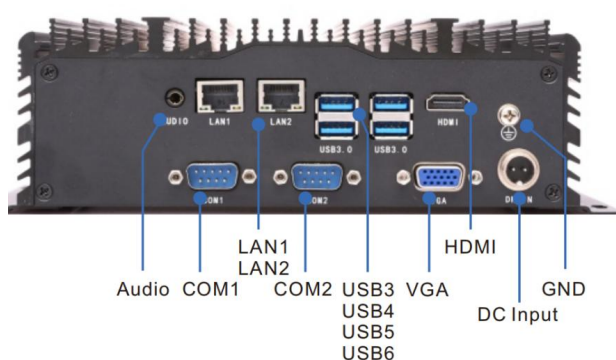
Environmental

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

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



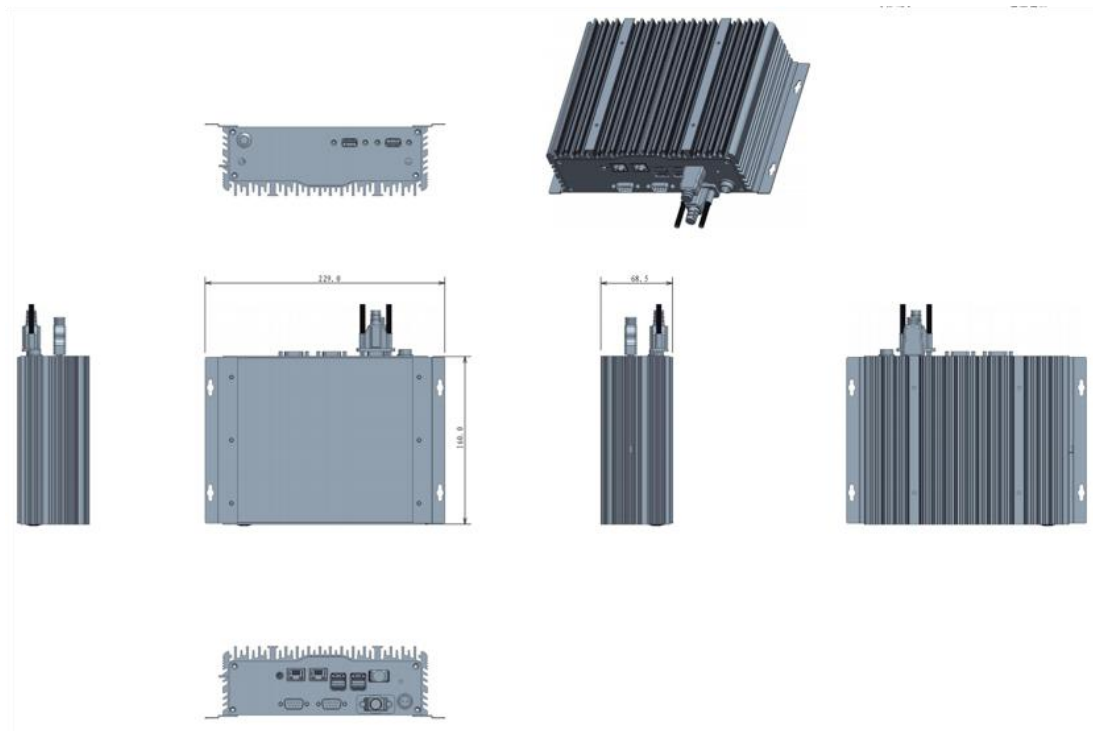
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► Applications



► Product Sizes



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► Product Selection

NO.	Model	Product Part Number	Describe Information	Standard Memory	Standard Storage
1	UPC-108H	C8.02.01.010	Intel® i3-7100U /Intel® i5-7200U / Intel® i7-7500U	4GB	SSD 128GB

Note: CPU model may vary. Contact sales for details