

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

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



► Introduction

UPC-302B is an industrial PC equipped with an Intel® 12th Gen. Core I3/I5/I7 processor. Meeting the demands of harsh environments, the fanless design makes the UPC-302B extra reliable for applications in the machine building industry. In addition, **based on CESIPC LEGO mode**, the dual GbE LAN, 3 x HDMI ports, 4 x USB ports, make device connection and integration easy.

- ★ 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	i3-1215U	i5-1235U	i7-1250U
Cores	6	10	10
Threads	8	12	12
Frequency	1.2-4.4	1.3-4.4	1.1-4.7
Cache	10MB	12MB	12MB
TDP	15W	15W	9W
Graphics	UHD Graphics	Iris Xe	Iris Xe
Memory	8-32GB DDR5		
Storage	2 x M.2 SSD		

I / O Ports

CPU	i3-1215U	i5-1235U	i7-1250U
USB 2.0	/	/	/
USB 3.0	4	4	4
RS232	/	/	/
RS485	/	/	/
VGA	/	/	/
HDMI	3	3	3
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	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 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



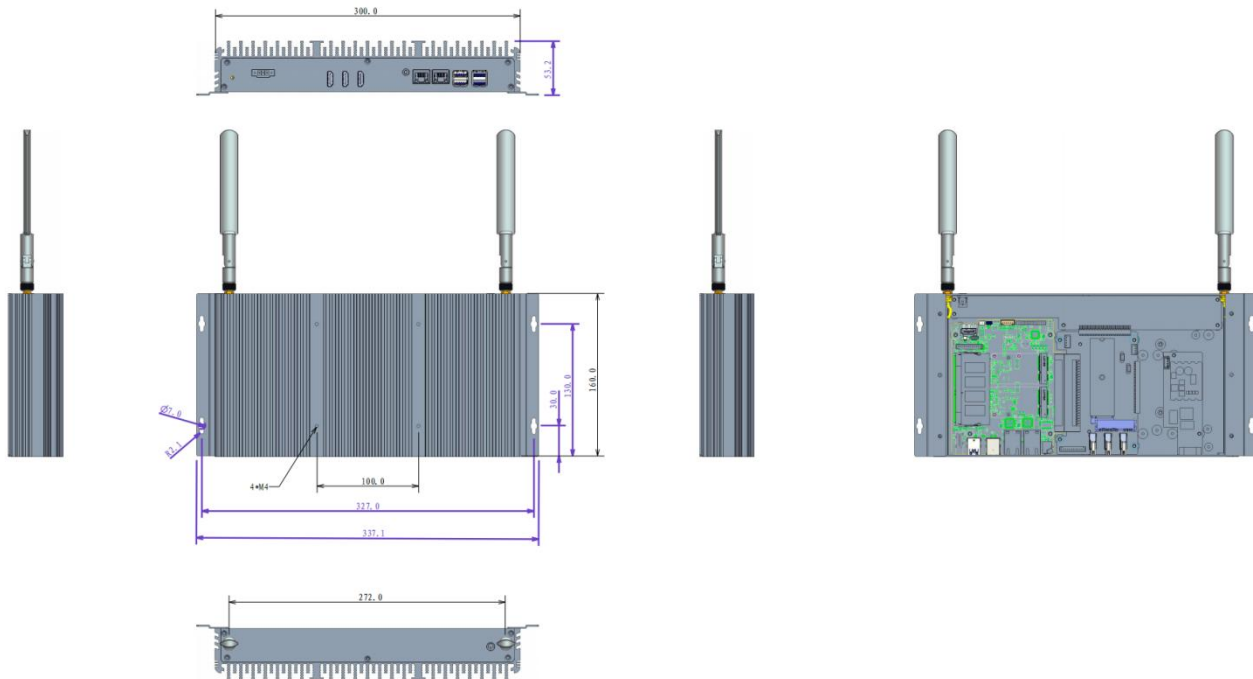
► Applications



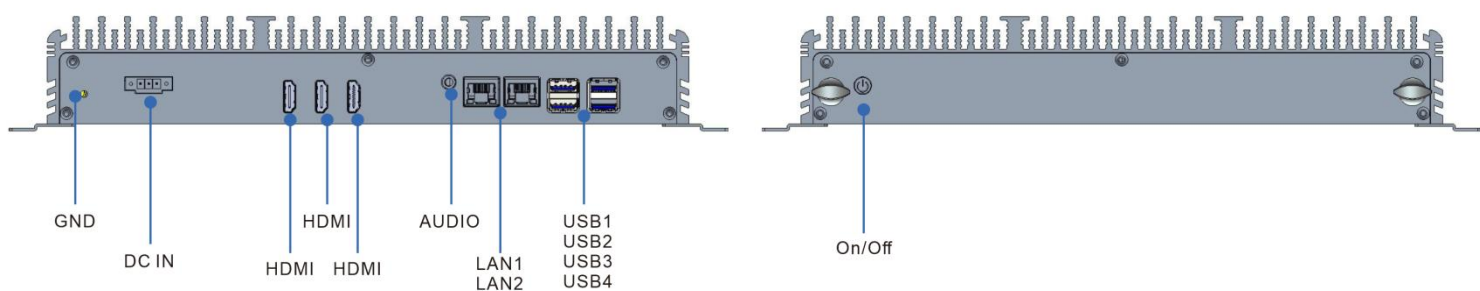
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► Product Sizes



► I/O



► Product Selection

NO.	Model	Product Part Number	Describe Information	Standard Memory	Standard Storage
1	UPC-302B	Intel® Core™ i3-1215U Processor		8GB	SSD 256GB
2	UPC-302B	Intel® Core™ i5-1235U Processor		8GB	SSD 256GB
3	UPC-302B	Intel® Core™ i7-1250U Processor		8GB	SSD 256GB

Note: CPU model may vary. Contact sales for details