

► Introduction



The UTC-W12X2C 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 UTC-W12X2C 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 Card	4G LTE Full Netcom Module SIM+TF Card

⑥ Intel® Celeron® Processor J1900

⑨ Intel® Core™ 10th Processor

⑦ Intel® Celeron® Processor J6412

② Intel® Core™ 12th Processor

I / O Ports

CPU	Celeron J1900	Celeron J6412	i3-10110U	i5-10210U	i7-10510U	i3-1215U	i5-1235U	i7-1250U
USB 2.0	0	0	0	0	0	0	0	0
USB 3.0	4	4	4	4	4	4	4	4
RS232	2	2	2	2	2	2	2	2
RS485	2 Optional	2 Optional	2 Optional	2 Optional	2 Optional	2 Optional	2 Optional	2 Optional
VGA	/	/	/	/	/	/	/	/
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	314.0 (W) × 200.0 (D) × 64.8 (H) mm
Cutout Size	300.8 (W) × 185.1 (D) mm
Weight	3.5 KG N.W.
Material	6063 High-Strength Aluminum Alloy
Mount	Wall 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

Touch Panel

Touch Way	Projected Capacitive Touch (Resistive Touch by Project)
Touch Points	1 – 10 Touch Points

LCD Panel

Size	12.5 inch TFT Panel
Resolution	1920 x 1080 / 16:10
Brightness	300 nits
Contrast	500 : 1
Protection	Front Panel IP65

► Product Images



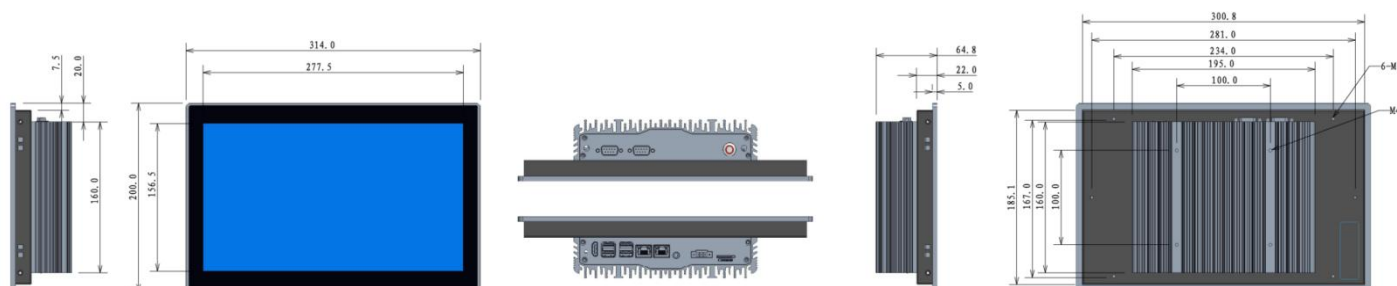
Compact Embedded Industrial PC

- ⑥ Intel® Celeron® Processor J1900
- ⑨ Intel® Core™ 10th Processor
- ⑦ Intel® Celeron® Processor J6412
- ② Intel® Core™ 12th Processor

Applications



Product Sizes



I/O



Compact Embedded Industrial PC

⑥ Intel® Celeron® Processor J1900

⑨ Intel® Core™ 10th Processor

⑦ Intel® Celeron® Processor J6412

② Intel® Core™ 12th Processor

► Product Selection

NO.	Model	Product Part Number	Describe Infomation	Standard Memory	Standard Storage
1	UTC-W1262C		Intel® Celeron® Processor J1900 Processor	4GB	mSATA SSD 128GB
2	UTC-W1272C		Intel® Celeron® Processor J6412 Processor	8GB	mSATA SSD 256GB
3	UTC-W1292C		Intel® Core™ i3-10110U Processor	8GB	mSATA SSD 256GB
4	UTC-W1292C		Intel® Core™ i5-10210U Processor	8GB	mSATA SSD 256GB
5	UTC-W1292C		Intel® Core™ i7-10510U Processor	8GB	mSATA SSD 256GB
6	UTC-W1222C		Intel® Core™ i3-1215U Processor	8GB	M.2 SSD 256GB
7	UTC-W1222C		Intel® Core™ i5-1235U Processor	8GB	M.2 SSD 256GB
8	UTC-W1222C		Intel® Core™ i7-1250U Processor	8GB	M.2 SSD 256GB