

CESIPC RFID Panel PC Series Brochure



mini pc



panel pc



industrial pc



tablet pc



IP67 Panel pc



rugged laptop

- 2
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- 15inch Panel PC with RFID (UTC-S15X2C)
 - 21.5inch Panel PC with RFID (UTC-W21X2B)
 - 21.5inch Panel PC with RFID and Button (UTC-W21X2C)

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15 INCH

► Introduction

The UTC series industrial Panel 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 series 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

► Product Image



► 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	6	10	10
Threads	4	4	4	8	8	8	12	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	1.1-4.7
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 Graphics	Iris Xe	Iris Xe
Memory	4-8GB DDR3L	4-16GB DDR4	4-32GB DDR4			8-32GB DDR5		
Storage	1 x mSATA SSD		1 x mSATA/ 1 x M.2 SSD			2 x M.2 SSD		

► 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	4	4	4	4	4	4	4	4
RS485	2	2	2	2	2	2	2	2
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

► Power Supply

DC Input	1 × 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

► Environmental

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

► OS

Windows	Windows 10 / Windows 11 Note: Celeron J1900 can support Windows 7
Linux	Ubuntu 16.04 / 18.04 / 20.04 / 22.04

► Mechanical

Dimension	436.0 (W) × 282.0 (D) × 69.2 (H) mm
Cutout Size	417.9 (W) x 266.8 (D) mm
Weight	5.0 KG N.W.
Material	6063 High-Strength Aluminum Alloy
Mechanical Construction	Aluminum Extrusion + Sheet Metal Structure

► RFID

Card Model	IC Card (ID Card Optional)
Reading Distance	00~60mm
Communication Interface	RS232 / USB
Operating Voltage	3.3V~5V , Standard 5V
Working Frequency	13.56MHZ

► Certs & Services

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

► Touch Panel

Touchscreen Type	Projected Capacitive Touch Resistive 5-wire (Optional)
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► LCD Panel

LCD Size	15 inch Panel Size
Resolution	1024 x 768 / 4:3
Brightness (cd/m ²)	300
Contrast Ratio	500 : 1
Backlight LED Life Time	50,000 hrs (LED Backlight)

[Click to Top](#) 21.5 INCH

► Introduction

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Cores	4	4	2	4	4	6	10	10
Threads	4	4	4	8	8	8	12	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	1.1-4.7
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 Graphics	Iris Xe	Iris Xe
Memory	4-8GB DDR3L	4-16GB DDR4	4-32GB DDR4			8-32GB DDR5		
Storage	1 x mSATA SSD		1 x mSATA/ 1 x M.2 SSD			2 x M.2 SSD		

► 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

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DC Input	1 × 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

► Environmental

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

► OS

Windows	Windows 10 / Windows 11 Note: Celeron J1900 can support Windows 7
Linux	Ubuntu 16.04 / 18.04 / 20.04 / 22.04

► Mechanical

Dimension	614.6 (W) × 326.1 (D) × 71.6 (H) mm
Cutout Size	596.6 (W) x 308.1 (D) mm
Weight	8.0 KG N.W.
Material	6063 High-Strength Aluminum Alloy
Mechanical Construction	Aluminum Extrusion + Sheet Metal Structure

► RFID

Card Model	IC Card (ID Card Optional)
Reading Distance	00~60mm
Communication Interface	RS232
Operating Voltage	3.3V~5V , Standard 5V
Working Frequency	13.56MHZ

► Certs & Services

EMC	CE, FCC (According to EN 55032 & EN 55035) EN IEC 61000-3-2
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MTBF	60,000 Hours

► Touch Panel

Touchscreen Type	Projected Capacitive Touch Resistive 5-wire (Optional)
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► LCD Panel

LCD Size	21.5 inch Panel Size
Resolution	1920 x 1080 / 16:10
Brightness (cd/m ²)	300
Contrast Ratio	500 : 1
Backlight LED Life Time	50,000 hrs (LED Backlight)

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Communication Interface	USB
Operating Voltage	3.3V~5V , Standard 5V
Working Frequency	13.56MHZ

▶ **Button**

Button	F5
(Support Design)	Division (Number Keypad) Multiplication(Number Keypad)

▶ **Certs & Services**

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