

# TBOX-23108C

*Industrial Intel Celeron J1900 fan-less Box PC*

## Specification

V2.0

### Brief Introduction

TAICENN TBOX-23108C is a high-performance fan-less industrial Box PC model, it adapts Intel Celeron J1900/J1800 CPUs, having advanced computer performance and low power consumption. TBOX-23108C storage can support 1 \*mSATA and 1\* 2.5 inch SATA SSD or HDD; The design has a variety of communication interface, with 2\* LAN ports, 5\* USB 2.0 ports, 1\* USB 3.0 port, 8\* RS232 (Optional with 2\* RS485/RS422); The power input is DC 9~24V voltage, and has over-current, over-voltage and reverse-polarity protection.

TAICENN TBOX-23108C uses full-sealed box construction, and it can prevent dust from entering the device system. Large aluminum fin heat sink can distribute the heat effectively and quickly, ensures the longer reliability and life-span of the system. TAICENN TBOX-23108C operating temp. is  $-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$ , can be suitable for longer-time operating and harsh environment industrial application projects, such as intelligent transportation system, machine vision, medical device, textile machinery, rail transportation and industry automation. TAICENN TBOX-23108C can be compatible with Windows 7, Windows 7 Embedded, Windows8, Windows10, Linux Operating system and embedded Operating system, and it is also compatible with application software based on those operating systems.

### Product Image

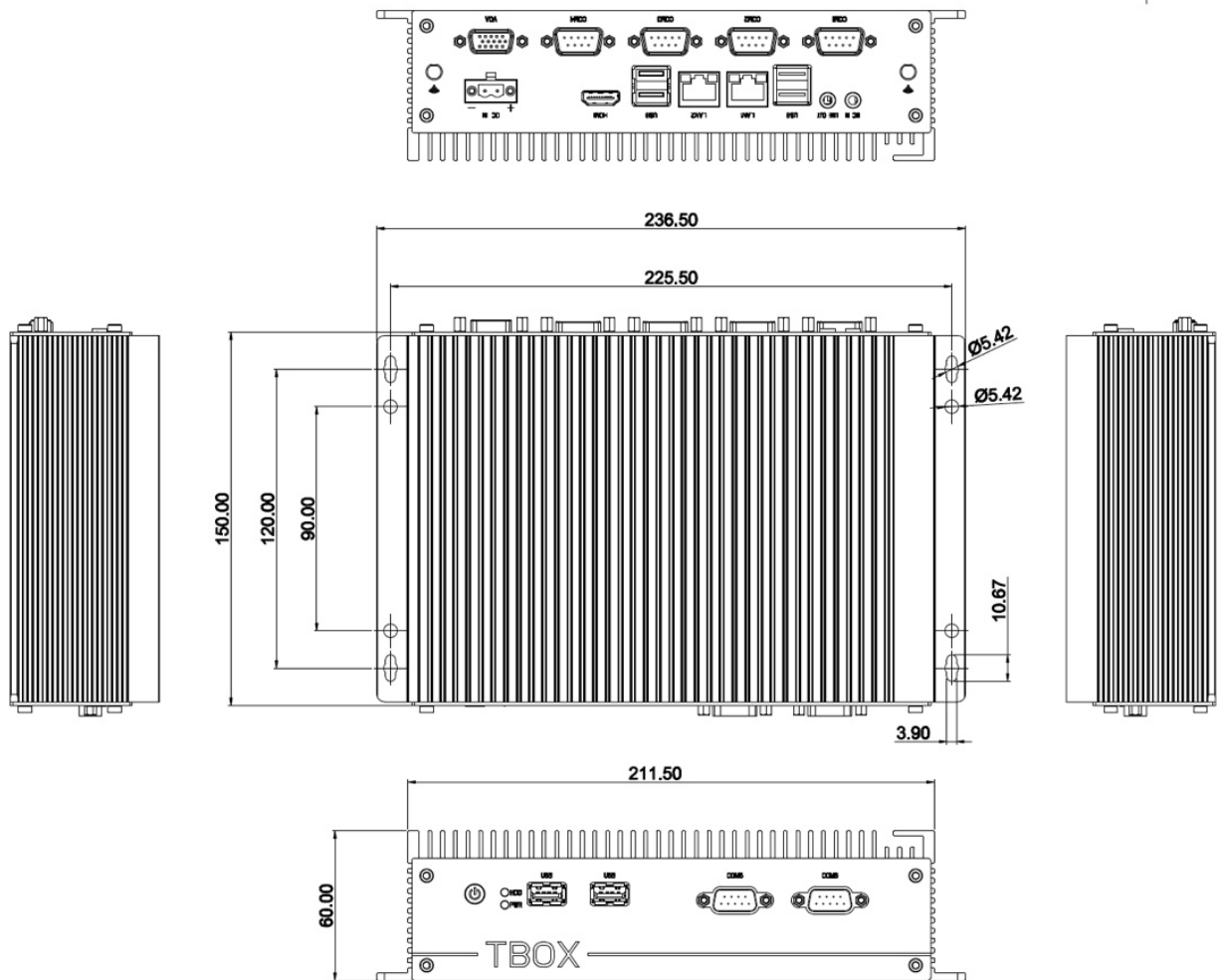


## Specification parameter

<b>Product model</b>	<b>TBOX-23108C</b>
<b>System &amp; Hardware</b>	
BIOS	SPI AMI EFI BIOS
CPU	Intel Celeron J1900
CPU GHz	Quad-core Four threads, 2.0Ghz
Memory	SO-DIMM, DDR3L, Max. up to 8GB
Storage	1* 2.5'' SATA + 1* mSATA
GPU	Intel HD Graphics Gen7
Network	2* Intel I211AT (Optional Wifi/3G/4G)
Audio	Realtek ACL 282 Audio controller
Expansion	None
Watch dog	0~255 seconds programmable
System	Windows 7, Windows 7 Embedded, Windows8, Windows10, Linux
<b>I/O</b>	
COM	8*RS232, or 6*RS232 + 2*RS485/RS422
Network	2*RJ45, 10/100/1000 Mbps
Audio	Line-In, Line-Out
USB	6*USB (1*USB3.0 + 5*USB2.0)
Display	1*VGA, 1*HDMI
Power Input	1*2 pins, phoenix port
GPIO	8*GPIO (Optional)
<b>Structure</b>	
Box Structure and surface	Aluminum alloy, anodizing and anti-scratch treatment
Cooling System	Finned aluminum heatsinks
Color	Silver + Black
Indicator	Power Switch/ Power LED/ HDD LED
Mounting	Support Desktop, Wall-mounted,
Dimension	236.5 x 150 x 60 (mm)
Net weight	About 1.5KG
<b>Power &amp; Environmental</b>	
Voltage Input	DC 9~24V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	20W
EMC	CE/FCC Class A
Working temperature	-20°C~+70 °C

Wide temp. <b>(Optional)</b>	-40°C ~ +70°C
Storage temperature	-40°C~+80 °C
Relative humidity	10~95%@10°C ( No condensation )
Vibration	50~500Hz,1.5G,0.15mm peak to peak
Shock	10G/peak ( 11ms sec )

## Interface and Dimension



## Ordering Information

TBOX-23108C	Intel Celeron J1900/1*HDMI/1*VGA/2*RJ45/6*USB/8*COM/DC 9~24V/Line In/Line-Out
TBOX-23208C	Intel Celeron J1800/1*HDMI/1*VGA/2*RJ45/6*USB/8*COM/DC 9~24V/Line In/Line-Out
TBOX-231010C	Intel Celeron J1900/1*HDMI/1*VGA/2*RJ45/6*USB/10*COM/DC 9~24V/Line In/Line-Out
TBOX-232010C	Intel Celeron J1800/1*HDMI/1*VGA/2*RJ45/6*USB/10*COM/DC 9~24V/Line In/Line-Out
Memory	DDR3L 2G/4G/8G
Storage	SSD: 16GB/32GB/64GB/128GB/256GB/512GB/1TB HDD: 500GB/1TB
Wireless module	Wifi: 802.11b/g/n Mini PCIe 150M 3G/4G: All network 4G module

## TAICENN Technology

*TAICENN, is a leading global **solution provider** of Embedded Box IPC, Touch panel IPC and industrial monitor, which are designed specifically for systems and applications that require excellent performance, high-level reliability and stability, long supply period and supports.*

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