

# TBOX-1600

*Industrial Intel Skylake Celeron 3855U fan-less Box PC*

## Specification

V2.1

### Brief Introduction

TAICENN TBOX-1600 is a high-performance ultra-compact fan-less industrial Box PC model, it adapts Intel Skylake Celeron 3855U CPU, having advanced computer performance and low power consumption. TBOX-1600 storage can support 1 \*mSATA SSD or HDD; The design has a limited communication interface, with 2\* LAN ports, 4\* USB 3.0 port; The power input is DC 12~24V voltage, and has over-current, over-voltage and reverse-polarity protection.

TAICENN TBOX-1600 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-1600 operating temp. is 0°C~+50°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-1600 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

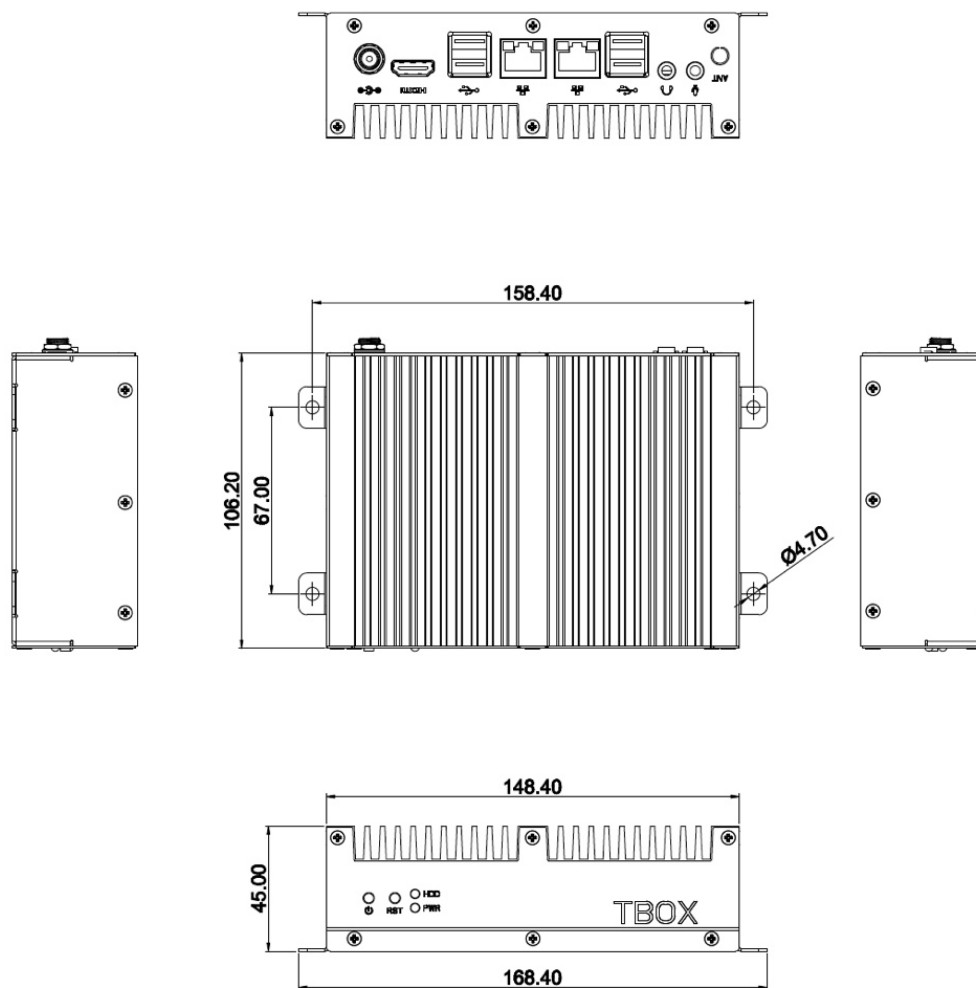


## Specification parameter

<b>Product model</b>	<b>TBOX-1600</b>
<b>System &amp; Hardware</b>	
BIOS	SPI AMI EFI BIOS
CPU	Intel Celeron 3855U
CPU GHz	Dual-core Two threads, 1.6Ghz, TDP 15W
Memory	SO-DIMM, DDR4L, Max. up to 16GB
Storage	1* mSATA
GPU	Intel HD Graphics 520
Network	2* Intel I211AT (Optional Wifi/3G/4G)
Audio	Realtek ACL 269 Audio controller
Expansion	1x full-size mPCIe slot
Watch dog	0~255 seconds programmable
System	Windows 7, Windows 7 Embedded, Windows8, Windows10, Linux
<b>I/O</b>	
COM	No COM
Network	2*RJ45, 10/100/1000 Mbps
Audio	Line-In, Line-Out
USB	4*USB3.0
Display	1*HDMI
Power Input	1*2 pins, phoenix port
<b>Structure</b>	
Box Structure and surface	Aluminum alloy, anodizing and anti-scratch treatment
Cooling System	Finned aluminum heatsinks
Color	Black
Indicator	Power Switch/ Power LED/ HDD LED
Mounting	Support Desktop, Wall-mounted,
Dimension	168.4 x 106.2 x 45 (mm)
Net weight	About 1.3KG
<b>Power &amp; Environmental</b>	
Voltage Input	DC 12~24V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	25W
EMC	CE/FCC Class A
Working temperature	0°C~+50 °C
Storage temperature	-20°C~+60 °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-1600	Intel Celeron 3855U/1*HDMI/2*RJ45/4*USB/DC 12~19V/Line In/Line-Out
TBOX-1610	Intel Core I3-6100U/1*HDMI/2*RJ45/4*USB/DC 12~19V/Line In/Line-Out
TBOX-1620	Intel Core I5-6200U/1*HDMI/2*RJ45/4*USB/DC 12~19V/Line In/Line-Out
TBOX-1630	Intel Core I7-6500U/1*HDMI/2*RJ45/4*USB/DC 12~19V/Line In/Line-Out
Memory	DDR3L 4G/8G/16G
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.*

*The information in this specification is subject to change without notice*

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