TBOX-3610

*Industrial Intel Skylake Core **i3** fan-less Box PC*

Specification

V2.0

Brief Introduction

TAICENN TBOX-3610 is a high-performance fan-less industrial Box PC model, specially designed for machine vision, industrial network applications. It can adapt Intel Skylake Core I3-6100U CPUs, having advanced computer performance and low power consumption. TBOX-3610 storage can support 1 *mSATA and 1* 2.5 inch SATA SSD or HDD; The design has a variety of communication interface, with 5* LAN ports (4*Support PoE), 2* USB 2.0 ports, 4* USB 3.0 port, 2* RS232 (Optional with 1* RS485), 32*GPIO; The power input is DC 9~36V voltage, and has over-current, over-voltage and reverse-polarity protection.

TAICENN TBOX-3610 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-3610 operating temp. is -20℃~+70℃, 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-3610 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.

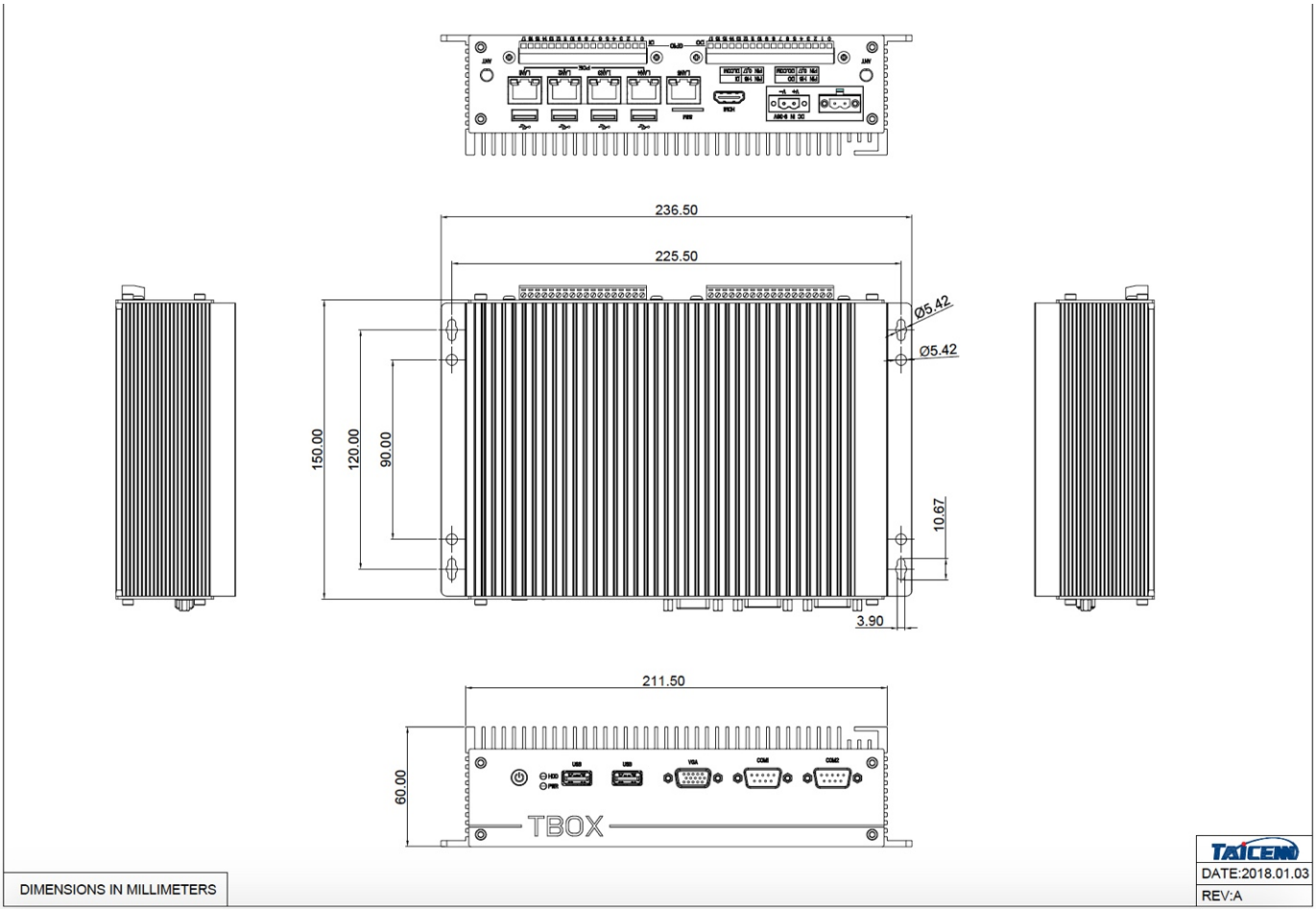
Product Image

Specification parameter

Product model	TBOX-3610
System & Hardware	
BIOS	SPI AMI EFI BIOS
CPU	Core I3-6100U
CPU GHz	Dual-core 2.3Ghz
Memory	SO-DIMM, DDR4L, Max. up to 16GB
Storage	1* 2.5’’ SATA + 1* mSATA
GPU	Intel HD Graphics 520
Network	5* 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
I/O	
COM	COM1: RS232 COM2: RS232/RS485
Network	LAN1~LAN4 support PoE, 802.3AF standard (Single port Max. up to 15.4w) PoE total power less than 45W LAN5: RJ45
Audio	Line-In, Line-Out
USB	4* Camera USB3.0, 2*USB2.0
Display	1*VGA, 1*HDMI
Power Input	1*2 pins, phoenix port
SIM	Sim slot
GPIO	16*DO + 16*DI Photoelectric isolated
Structure	
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 1.7KG

Power & Environmental	
Voltage Input	DC 9~36V (Over-current, Over-voltage and reverse polarity protection)
Power Consumption	25W (Max. 60w)
EMC	CE/FCC Class A
Working temperature	-20℃~+70 ℃
Wide temp. **(Optional)**	-40℃ ~ +70℃
Storage temperature	-40℃~+80 ℃
Relative humidity	10~95%@10℃（No condensation）
Vibration	50~500Hz,1.5G,0.15mm peak to peak
Shock	10G/peak（11ms sec）

Interface and Dimension



Ordering Information

TBOX-3600	Intel Celeron 3855U/1*HDMI/1*VGA/2*RJ45/6*USB/6*RS232/DC 9~36V/Line In/Line-Out
TBOX-3610	Intel Core I3-6100U/1*HDMI/1*VGA/2*RJ45/6*USB/6*RS232/DC 9~36V/Line In/Line-Out
TBOX-3620	Intel Core I5-6200U/1*HDMI/1*VGA/2*RJ45/6*USB/6*RS232/DC 9~36V/Line In/Line-Out
TBOX-3630	Intel Core I7-6500U/1*HDMI/1*VGA/2*RJ45/6*USB/6*RS232/DC 9~36V/Line In/Line-Out
Memory	DDR4L 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
All parts of TAICENN Technology documentation are protected by copyright law and all rights are reserved. This documentation may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable from without prior consent, in writing, from TAICENN Technology.