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INDUSTRIELLE TECHNOLOGIE

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TBOX-13600

Industrial Intel Skylake Celeron 3855U fan-less Box PC

Specification

V2.0

Brief Introduction

CYBERVISUELL TBOX-13600 is a high-performance fan-less industrial Box PC model, specially designed for machine vision, industrial network applications. It can adapt Intel Skylake Celeron-3855U CPUs, having advanced computer performance and low power consumption. TBOX-13600 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.

CYBERVISUELL TBOX-13600 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. CYBERVISUELL TBOX-13600 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. CYBERVISUELL TBOX-13600 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.
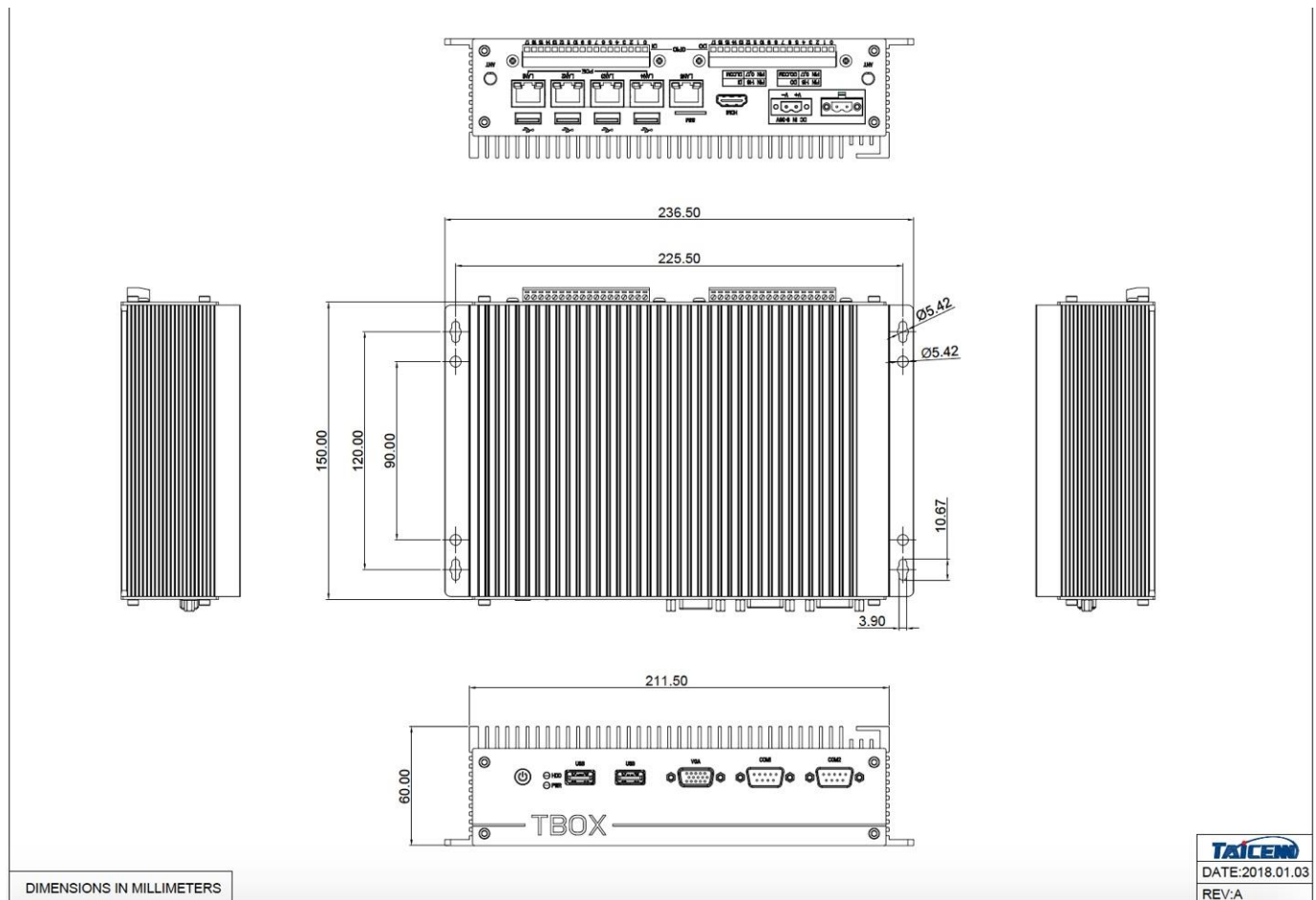
Product Image

Specification parameter

Product model	TBOX-13600
System & Hardware	
BIOS	SPI AMI EFI BIOS
CPU	Celeron 3855U
CPU GHz	Dual-core 1.6Ghz
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

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TBOX-13600 Specs

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-13600	Intel Celeron 3855U/1*HDMI/1*VGA/5*RJ45/6*USB/2*RS232/DC 9~36V/Line In/Line-Out
TBOX-13610	Intel Core I3-6100U/1*HDMI/1*VGA/5*RJ45/6*USB/2*RS232/DC 9~36V/Line In/Line-Out
TBOX-13620	Intel Core I5-6200U/1*HDMI/1*VGA/5*RJ45/6*USB/2*RS232/DC 9~36V/Line In/Line-Out
TBOX-13630	Intel Core I7-6500U/1*HDMI/1*VGA/5*RJ45/6*USB/2*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

CyberVisuell Industrielle Technologie

*CyberVisuell, is a leading global **solution provider** of industrial technology including Embedded Box PC, Touch panel PC, industrial monitors, power instrumentation, and M2M comms equipment. CyberVisuell products are designed specifically for systems and applications that require excellent performance, high-level reliability and stability, and long product lifecycles.*