

TBOX-13620

Industrial Intel Skylake Core i5 fan-less Box PC

Specification

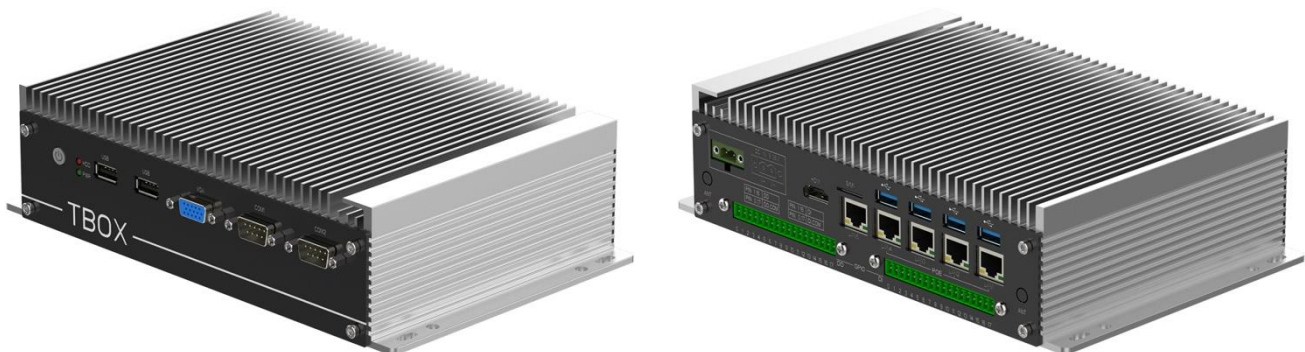
V2.0

Brief Introduction

CYBERVISUELL TBOX-3620 is a high-performance fan-less industrial Box PC model, specially designed for machine vision, industrial network applications. It can adapt Intel Skylake I5-6200U CPUs, having advanced computer performance and low power consumption. TBOX-3620 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-3620 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-3620 operating temp. is -20°C~+70°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. CYBERVISUELL TBOX-3620 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

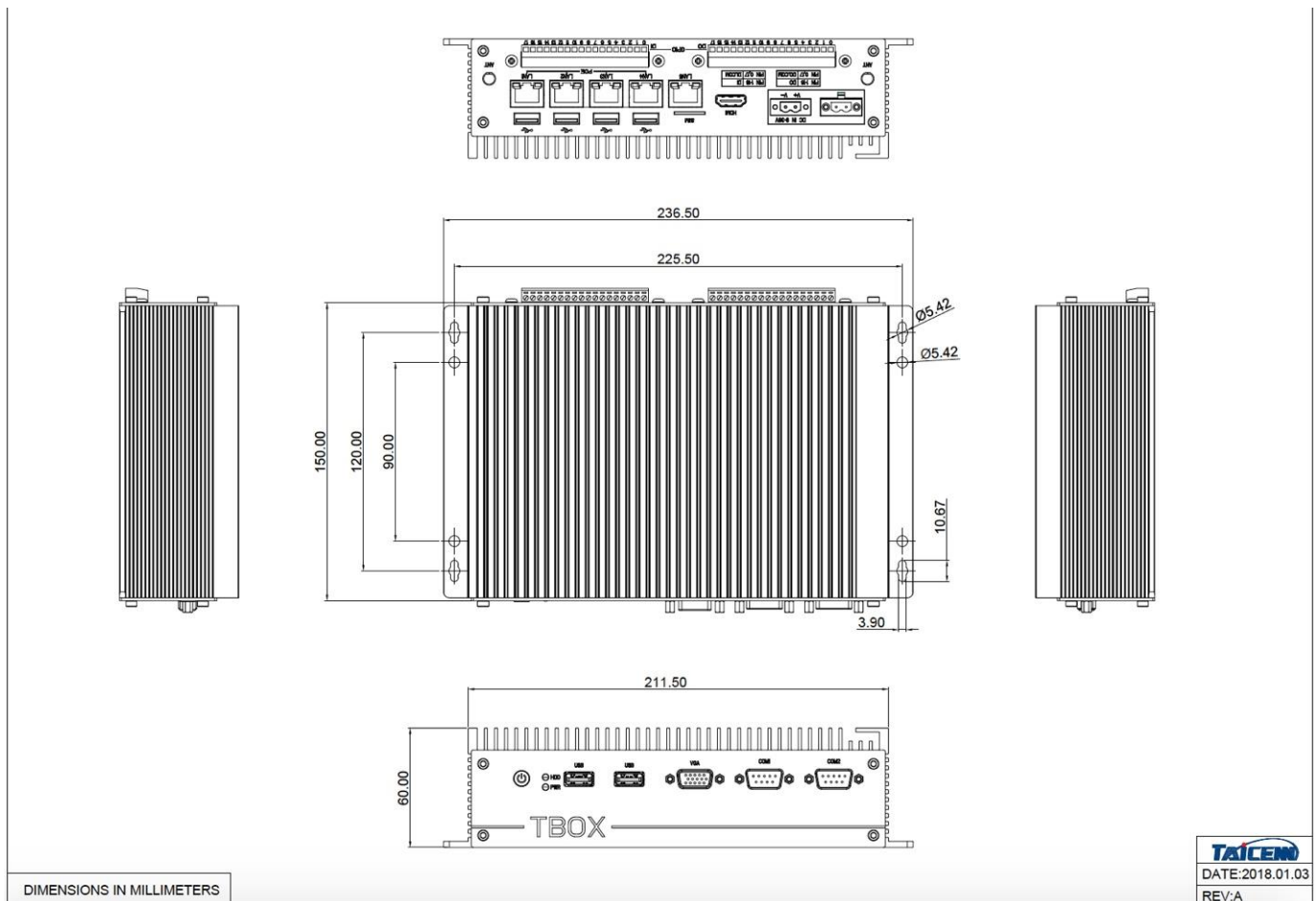


Specification parameter

| | |
|------------------------------|---|
| Product model | TBOX-13620 |
| System & Hardware | |
| BIOS | SPI AMI EFI BIOS |
| CPU | Core I5-6200U |
| 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°C~+70 °C |
| Wide temp. (Optional) | -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-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.*

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