

# TBOX-1620

*Industrial Intel Skylake Core I5 fan-less Box PC*

## Specification

V2.0

### Brief Introduction

TAICENN TBOX-1620 is a high-performance ultra-compact fan-less industrial Box PC model, it adapts Intel Skylake Core I5-6200U CPUs, having advanced computer performance and low power consumption. TBOX-1620 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 12~19V voltage, and has over-current, over-voltage and reverse-polarity protection.

TAICENN TBOX-1620 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-1620 operating temp. is  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ , 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-1620 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

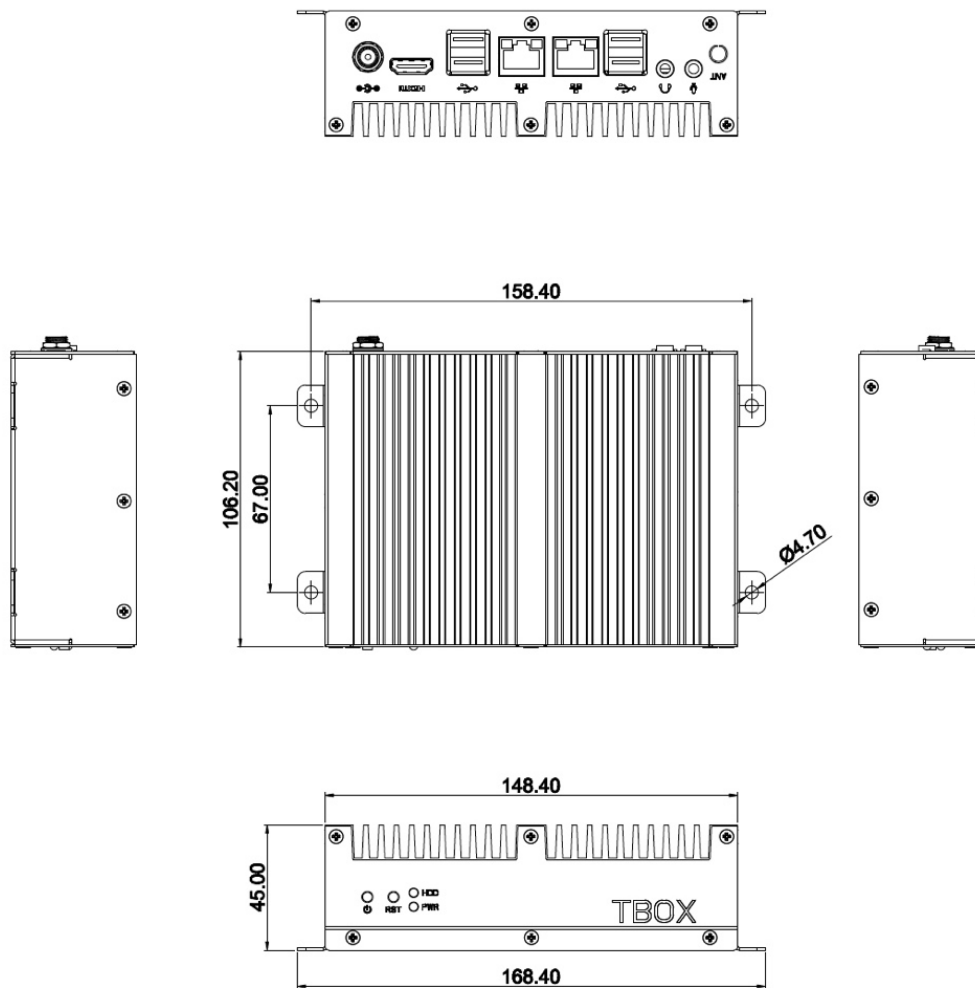


## Specification parameter

|                                  |  |
|----------------------------------|--|
| Product model                    | TBOX-1620  |
| <b>System &amp; Hardware</b>     |  |
| BIOS                             | SPI AMI EFI BIOS   |
| CPU                              | Intel Core I5-6200U  |
| CPU GHz                          | Dual-core 2.3Ghz   |
| 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 12~19V (Over-current, Over-voltage and reverse polarity protection) |
| Power Consumption                | 25W  |
| EMC                              | CE/FCC Class A   |
| Working temperature              | -20℃~+60 ℃   |
| Storage temperature              | -30℃~+70 ℃   |

|                   |                                   |
|-------------------|-----------------------------------|
| 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-2610       | Intel Core I3-6100U/1*HDMI/2*RJ45/4*USB/DC 12~19V/Line In/Line-Out |
| TBOX-2620       | Intel Core I5-6200U/1*HDMI/2*RJ45/4*USB/DC 12~19V/Line In/Line-Out |
| TBOX-2630       | 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<br>HDD: 500GB/1TB        |
| Wireless module | Wifi: 802.11b/g/n Mini PCIe 150M<br>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 form without prior consent, in writing, from TAICENN Technology.*