

# TBOX-1410

*Industrial Intel Apollo lake J3455 fan-less Box PC*

## Specification

**V2.0**

### Brief Introduction

TAICENN TBOX-1410 is an ultra-small fan-less industrial Box PC model, it adapts Intel Apollo lake J3455 CPU, having advanced computer performance and low power consumption. TBOX-1410 storage can support 1 \*mSATA SSD or HDD; The design has a limited communication interface, with 2\* LAN ports, 4\* USB ports; The power input is DC 12V voltage, and has over-current, over-voltage and reverse-polarity protection.

TAICENN TBOX-1410 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-1410 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-1410 can be compatible with Windows10, Linux Operating system and embedded Operating system, and it is also compatible with application software based on those operating systems.

### Product Image

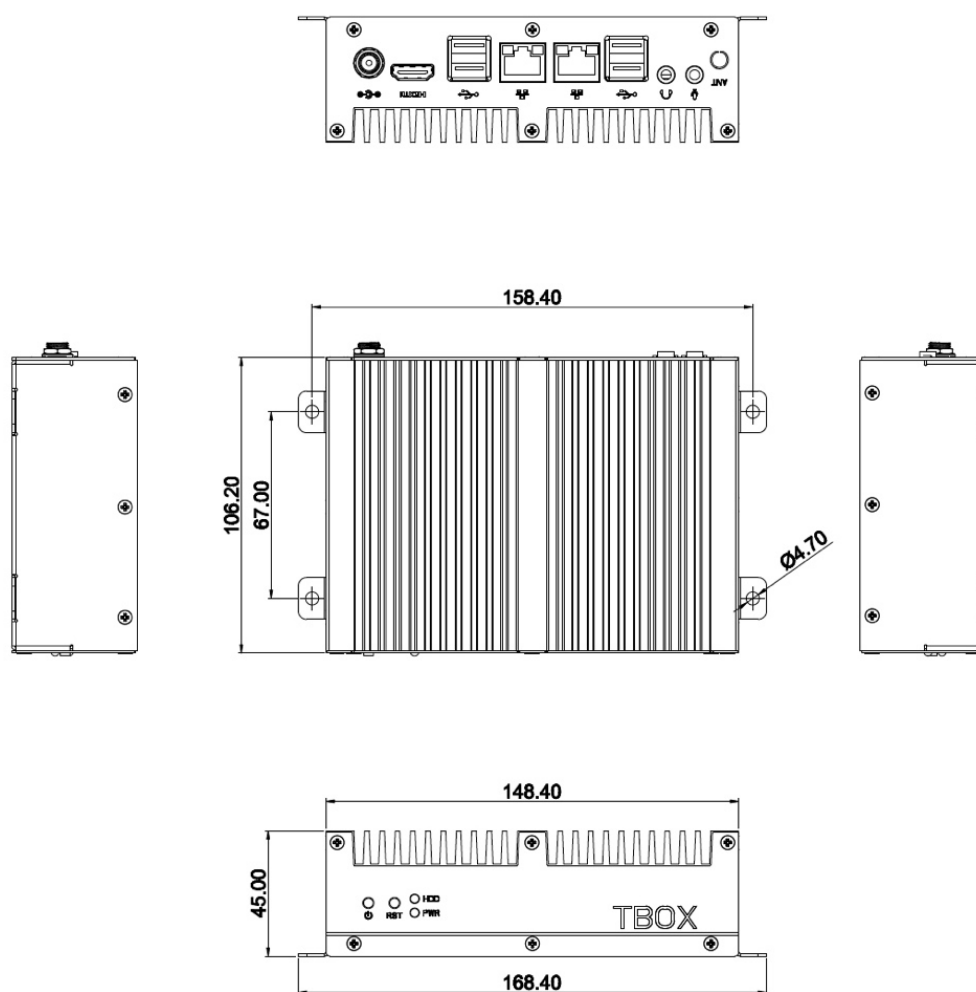


## Specification parameter

|                                  |   |
|----------------------------------|---|
| Product model                    | TBOX-1410   |
| <b>System &amp; Hardware</b>     |   |
| BIOS                             | SPI AMI EFI BIOS  |
| CPU                              | Intel Apollo lake J3455   |
| CPU GHz                          | Quad-core Four threads, 1.5Ghz                                      |
| Memory                           | SO-DIMM, DDR3L-1866MT/S, Max. up to 8GB                             |
| Storage                          | 1* 2.5" SATA + 1* mSATA   |
| GPU                              | Intel HD Graphics 500   |
| 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                           | Windows10, Linux, Unix  |
| <b>I/O</b>                       |   |
| COM                              | No COM ports  |
| Network                          | 2*RJ45, 10/100/1000 Mbps  |
| Audio                            | Line-In, Line-Out   |
| USB                              | 4*USB3.0  |
| Display                          | 1*HDMI  |
| Power Input                      | DC 5.5*2.5  |
| <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 12V (Over-current, Over-voltage and reverse polarity protection) |
| Power Consumption                | 20W   |
| EMC                              | CE/FCC Class A  |
| Working temperature              | -20℃~+60 ℃  |
| Storage temperature              | -30℃~+70 ℃  |

|                   |                                   |
|-------------------|-----------------------------------|
| 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-1410       | Intel Celeron J3455/1*HDMI/2*RJ45/4*USB/DC 12V/Line In/Line-Out  |
| TBOX-1420       | Intel Celeron J3355/1*HDMI/2*RJ45/4*USB/DC 12V/Line In/Line-Out  |
| Memory          | DDR3L 2G/4G/8G   |
| 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*

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