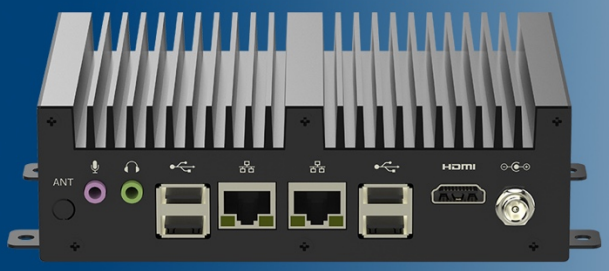
# TBOX -1410

## Ultra-Small Industrial Box PC

Version: 3.0



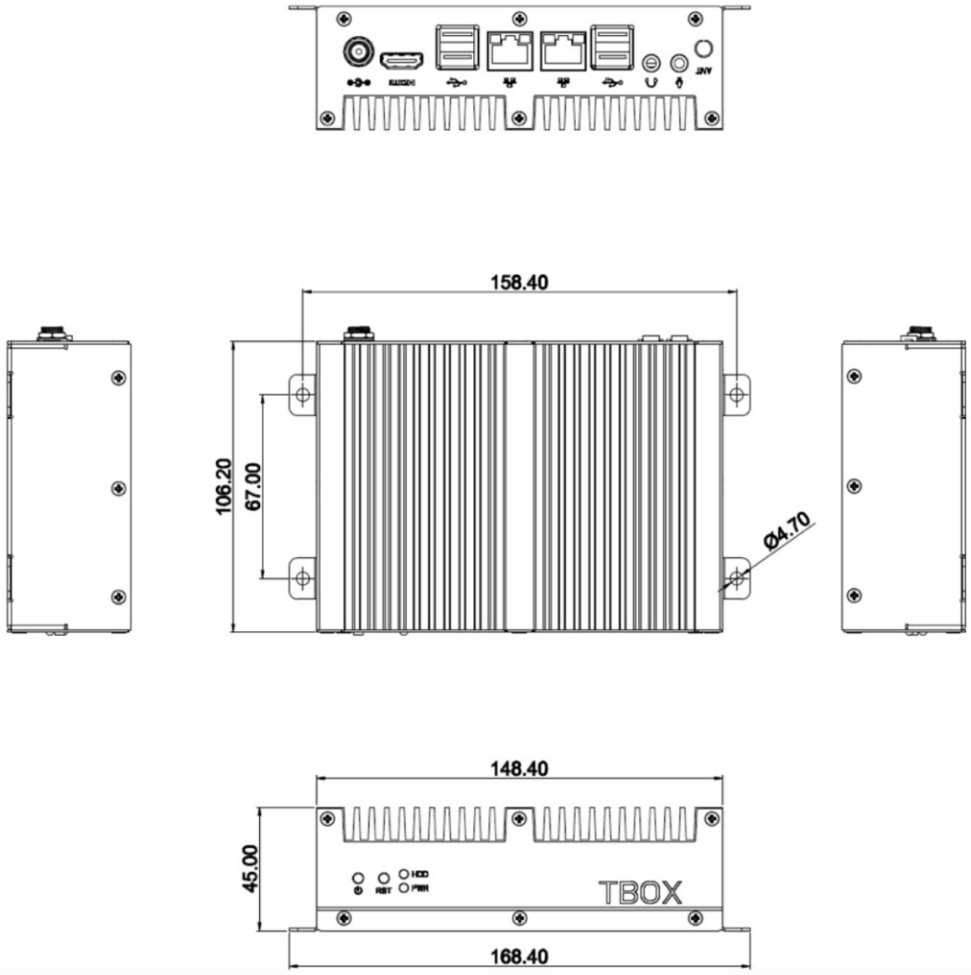

## Features:

- Rugged, Ultra-small, fanless designed box structure;
- Intel Apollo Lake Celeron J3455 Quad-core processor;
- DC 12V power input, with over-voltage, polarity protection;
- Industrial -20 ~ + 60℃ operating range;
- 2 GLAN, optional with 3G/4G/LTE, and Wi-Fi/BT expansion;
- 4 USB3.0, 1 HDMI, Mic-in/Line-out;
- 1 Mini-PCIe expansion slot.

## Specification

| | | |
|---|---|---|
| **System** | BIOS | SPI AMI EEI BIOS |
| | CPU | Intel Apollo Lake, Celeron J3455 processor |
| | CPU Ghz | Quad-core 1.5Ghz, burst to 2.3Ghz |
| | TDP | 10W |
| | Memory | SO-DIMM, DDR3-1866Mt/s, Max. up to 8GB |
| | Storage | 1* mSATA |
| | Graphic | Intel HD Graphics 500 |
| | Network | 2* Intel I211AT, optional support 3G/4G/Wi-Fi wireless |
| | Audio | On-board Realtek ACL 269 Audio controller |
| | Expansion | 1* Mini-PCIe expansional slot |
| | Watchdog | 0 ~ 256 seconds programmable |
| | Operating system | Win10, Linux |
| **IO interface** | Serial port | N/A |
| | Ethernet | 2* RJ45, 10/100/1000 Mbps |
| | Audio | Mic-in/Line-out |
| | USB | 4* USB3.0 |
| | Display | 1* HDMI |
| | Power input | DC Jack, lockable 5.5 * 2.5 |
| | GPIO | Optional |
| **Structure** | Box structure and surface | Aluminum alloy, anodizing and anti-scratch treatment |
| | Color | Black |
| | Mount method | Desktop, wall mount, optional with Din-rail mount |
| | Cooling system | Finned aluminum heatsinks |
| | Indicator & Button | Power switch, Power LED, HDD LED |
| | Dimension | 168.4 * 106.2 * 45 (mm) |
| | Net weight | About 0.8 KG |
| **Power & Environmental** | Operating temp. | -20 ~ + 60 (℃) |
| | Storage temp. | -40 ~ + 70 (℃) |
| | Humidity | 10 ~ 95% @ 10C (No condensation) |
| | Vibration | 50 ~ 500 Hz, 1.5G, 0.15mm peak to peak |
| | Shock | 10G/Peak (11 ms) |
| | Power input | DC 12V (Optional wide voltage DC 9~36) |
| | Power consumption | About 20W |
| | EMC | CE/FCC Class A |

## Dimension




## Ordering information

| Part no. | Description |
|---|---|
| TBOX-1410 | Intel Apollo Lake J3455, 2 RJ45, 4 USB3.0, 1 HDMI, Mic-in/Line-out, DC 12V |
| TBOX-1420 | Intel Apollo Lake J3355, 2 RJ45, 4 USB3.0, 1 HDMI, Mic-in/Line-out, DC 12V |
| TDDR3-**4/8**GB1 | Memory: SO-DIMM, DDR3,4GB/8GB |
| TMSATA-**32/64/128/256/512**GB1 | mSATA SSD: 32GB/64GB/128GB/256GB/512GB |
| TWM-WIFIA1 | Wi-Fi module, with Antenna |
| TWM-WIFIBT1 | Wi-Fi module with BT integrated, with antenna |
| TWM-4GA1 | All network 4G module, with Antenna |
| TDRK-BOX1-35 | Din 35 mount clip (1 set per unit) |
| TPS-DTD936M1 | DC to DC, wide power input DC 9 ~ 36V module |

## Packing List

- 1 unit standard Product
- 1 set 40W PSU (Power supply)
- 1 set Power Cable & Plug


The information in this specification is subject to change without notice.