

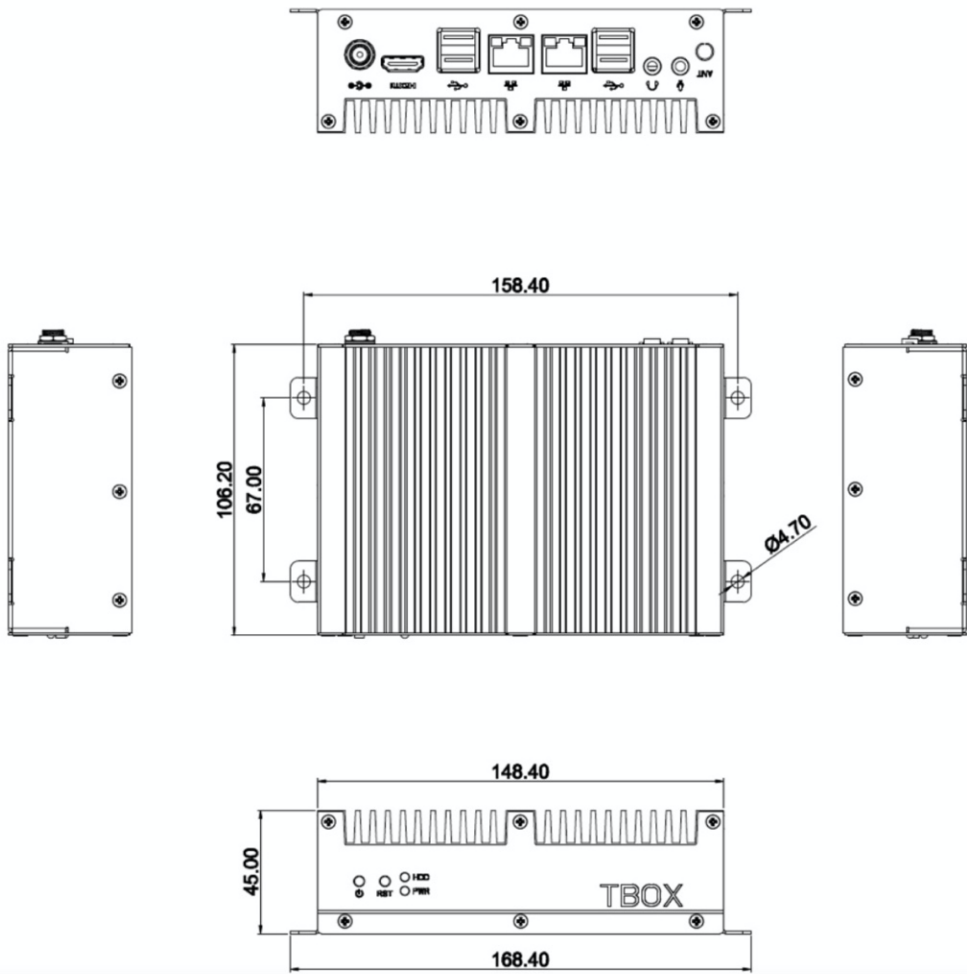
### Features:

- 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°C 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-PCle 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-PCle 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 (°C)                                        |
|                       | Storage temp.             | -40 ~ + 70 (°C)                                        |
|                       | 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- <del>4</del> /8GB1                | Memory: SO-DIMM, DDR3, <u>4GB/8GB</u>                                      |
| TMSATA- <del>32/64/128/256</del> /512GB1 | mSATA SSD: <u>32GB/64GB/128GB/256GB/512GB</u>                              |
| 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     |