

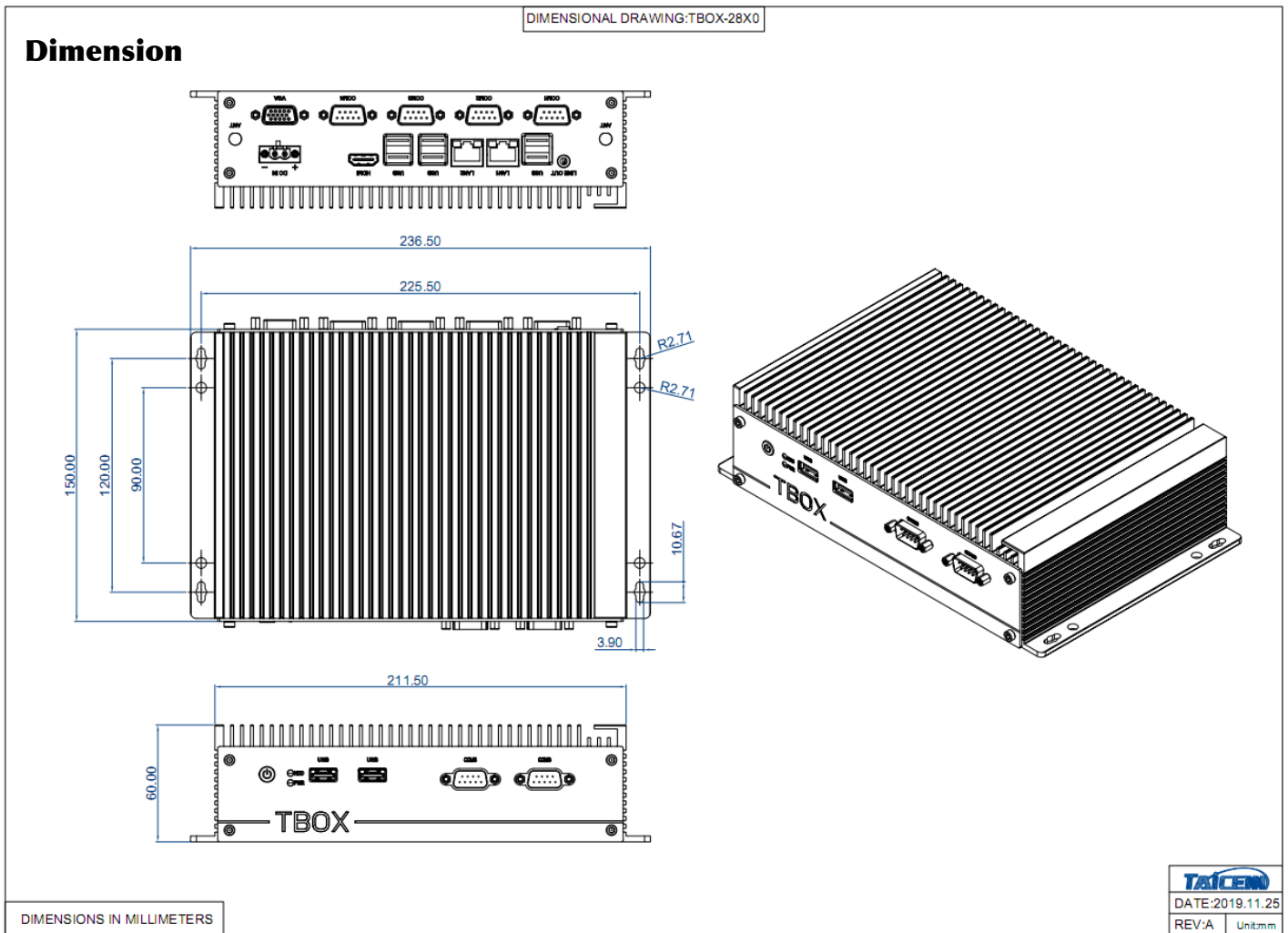


### Features:

- Rugged & compact, fanless designed box structure;
- On-board Intel Whiskey Lake 8<sup>th</sup>-gen. Core i3-8145U Dual-core processor;
- Single DDR4 memory, up to 16GB, 1\*mSATA and 1\* 2.5" SATA storage;
- DC 9~24V input, with over-current, over-voltage, polarity protection;
- 2 GLAN, optional with 3G/4G/LTE, and Wi-Fi/BT expansion;
- 8 USB (4 USB3.0), 6 COM, 1 HDMI, 1 VGA, Mic-in/Line-out;
- Industrial -20 ~ + 70°C operating range, optional -40~+80 °C.

### Specification

|                                  |                           |  |
|----------------------------------|---------------------------|--|
| <b>System</b>                    | BIOS                      | SPI AMI EEI BIOS                                       |
|                                  | CPU                       | Intel Core i3-8145U                                    |
|                                  | CPU Ghz                   | Dual-core 2.1Ghz, Burst to 3.9Ghz                      |
|                                  | TDP                       | 15W  |
|                                  | Memory                    | SO-DIMM, DDR4L, Max. up to 16GB                        |
|                                  | Storage                   | 1*mSATA (Optional support 1* 2.5" SATA)                |
|                                  | Graphic                   | Intel UHD Graphics 620                                 |
|                                  | 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              |  |
| <b>IO interface</b>              | Serial port               | 6 * RS232 (Support 1* RS485)                           |
|                                  | Ethernet                  | 2* RJ45, 10/100/1000 Mbps                              |
|                                  | Audio                     | Mic-in/Line-out  |
|                                  | USB                       | 4* USB3.0 + 4* USB2.0                                  |
|                                  | Display                   | 1* HDMI + 1* VGA                                       |
|                                  | Power input               | 1* 2 pins, Phenix terminal                             |
|                                  | Optional                  | 1* CAN, 8* GPIO  |
| <b>Structure</b>                 | Box structure and surface | Aluminum alloy, anodizing and anti-scratch treatment   |
|                                  | Color                     | Black + Silver   |
|                                  | Mount method              | Desktop, wall mount, optional with Din-rail mount      |
|                                  | Cooling system            | Finned aluminum heatsinks                              |
|                                  | Indicator & Button        | Power switch, Power LED, HDD LED                       |
|                                  | Dimension                 | 236.5 * 150 * 60 (mm)                                  |
|                                  | Net weight                | About 1.6 KG   |
|                                  |                           |  |
| <b>Power &amp; Environmental</b> | Operating temp.           | -20 ~ + 70 °C  |
|                                  | Storage temp.             | -40 ~ + 80 °C  |
|                                  | Humidity                  | 10 ~ 95% @ 10C (No condensation)                       |
|                                  | Vibration                 | 50 ~ 500 Hz, 1.5G, 0.15mm peak to peak                 |
|                                  | Shock                     | 10 G/Peak (11 ms)                                      |
|                                  | Power input               | DC 9~24V   |
|                                  | Power consumption         | About 25W  |
|                                  | EMC                       | CE/FCC Class A   |



## Ordering information

| Part no.                    | Description  |
|-----------------------------|--|
| TBOX-2800                   | Intel Whiskey Lake Celeron 4205U, 2 RJ45, 4 USB3.0, 4 USB2.0, 6 RS232, 1 HDMI, 1 VGA, Line-out, DC 9~24V |
| TBOX-2810                   | Intel Whiskey Lake Core i3-8145U, 2 RJ45, 4 USB3.0, 4 USB2.0, 6 RS232, 1 HDMI, 1 VGA, Line-out, DC 9~24V |
| TBOX-2820                   | Intel Whiskey Lake Core i5-8365U, 2 RJ45, 4 USB3.0, 4 USB2.0, 6 RS232, 1 HDMI, 1 VGA, Line-out, DC 9~24V |
| TBOX-2830                   | Intel Whiskey Lake Core i7-8565U, 2 RJ45, 4 USB3.0, 4 USB2.0, 6 RS232, 1 HDMI, 1 VGA, Line-out, DC 9~24V |
| TDDR4-4/8/16GB1             | Memory: SO-DIMM, DDR4L, 4GB/8GB/16GB   |
| TMSATA-32/64/128/256/512GB1 | mSATA SSD: 32GB/64GB/128GB/256GB/512GB   |
| T25SAS-64/128/256/512GB1    | 2.5" SATA SSD: 64GB/128GB/256GB/512GB/1TB  |
| T25SAH-1T/2T/4TB1           | 2.5" HDD: 1TB/2TB/4TB  |
| 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 (2 set per unit)   |

## Packing List

- 1 unit standard Product
- 1 set 60W PSU (Power supply)
- 1 set Power Cable & Plug