

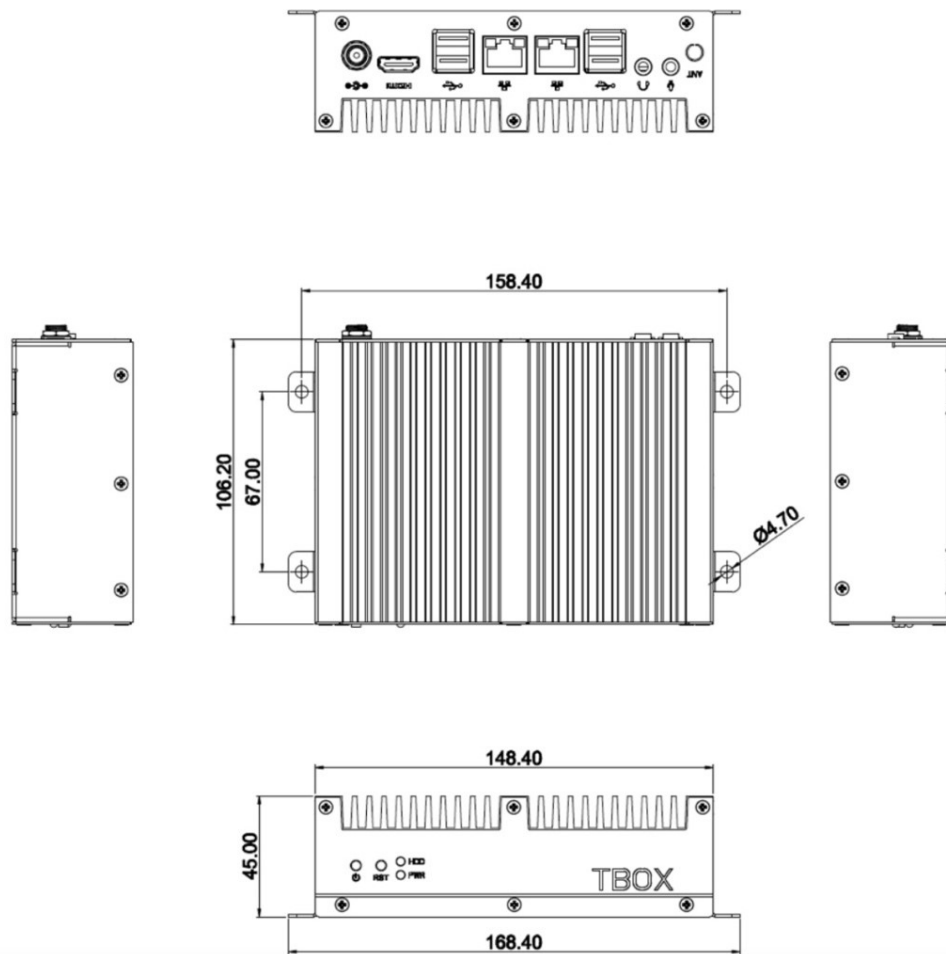
## Features:

- 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-PCIe expansion slot.

## Specification

<b>System</b>	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, DDR3L, 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 expansion slot
	Watchdog	0 ~ 256 seconds programmable
	Operating system	Win10, Linux
<b>IO interface</b>	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
<b>Structure</b>	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
<b>Power &amp; Environmental</b>	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- <u>4/8</u> GB1	Memory: SO-DIMM, DDR3L, <u>4GB/8GB</u>
TMSATA- <u>32/64/128/256/512</u> GB1	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-T40W12D1	AC-DC 12V/3.3A 40W

## Packing List

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