

# TBOX-3D10

**PoE Embedded PC With Intel 12<sup>th</sup> Gen. Core i3-1215U; 5 GbE (4 PoE), 6 USB, 2 COM, 1 VGA 1 HDMI; DC 9~36V; 1 expansion slot**

Version: 3.0



## Features:

- Rugged & compact, fanless designed box structure;
- Intel 12<sup>th</sup> Gen. Alder Lake -U, Core i3-1215U CPU processor;
- Dual DDR5 memory, up to 64GB, 1\* M.2 2280 storage slot;
- Wide DC 9~36V power input;
- 5 GbE (4 support PoE functional), optional wireless expansions;
- 4 USB3.1, 2 USB2.0, 1 HDMI, 1 VGA, 2 COM;
- 1 Mini-PCIe (Optional M.2 2230 E-Key) for wireless expansion;
- Industrial operating -20 ~ +60°C temp. range.

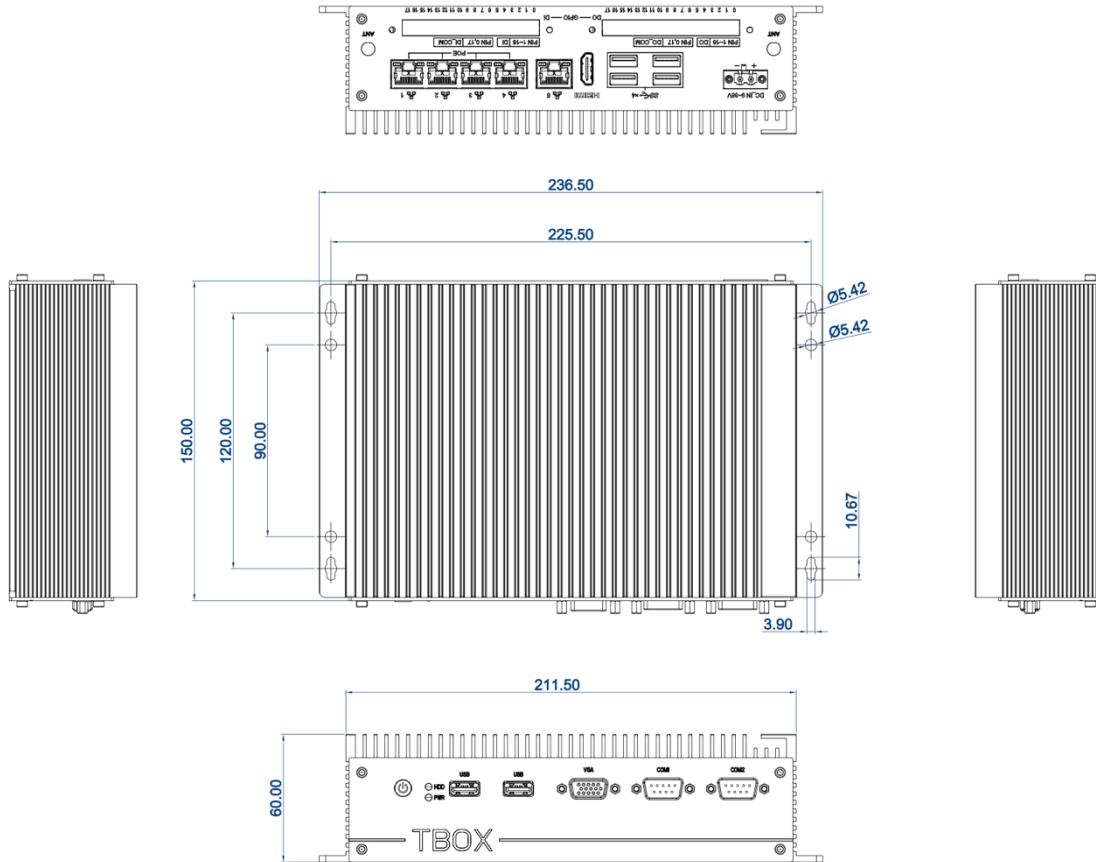
## Specification



<b>System</b>	BIOS CPU CPU Ghz TDP Memory Storage Graphic Network Audio Expansion Watchdog Operating system	SPI AMI EEI BIOS Intel 12 <sup>th</sup> Gen. Core i3-1215U processor 6 (2P/4E) Cores, 8 Threads, 1.20Ghz 15W SO-DIMM, DDR5-4800 Mhz, Dual slots, Max. up to 64GB 1* M.2 M-Key 2280 (PCIe *4 Gen.IV, NVMe) slot SSD, Optional support 1* 2.5" SATA III SSD Intel UHD Graphics for 12 <sup>th</sup> Gen. Intel processors (Up to 64 EUs, 1.10Ghz) 5* Intel I226V N/A 1* Full length Mini-PCIe (Default), or 1* M.2 2230 E-key 0 ~ 256 seconds programmable Win10, Win11, Linux
<b>IO interface</b>	Serial port Ethernet  USB Display Power input GPIO	COM1: RS232; COM2: RS485 5* RJ45, 10/100/1000 Mbps, LAN1~LAN4 support PoE 802.3AF (Single port max. up to 15.4W, total less than 45W); LAN5 support standard 10/100/1000 Mbps 4* USB3.1, 2* USB2.0, 1* HDMI, 1* VGA 1* 2 pin, phenix terminal 32* GPIO (16* DI, 16* DO, with isolated) <b>[TBOX-3D10D model]</b>
<b>Structure</b>	Box structure and surface Color Mount method Cooling system Indicator & Button Dimension Net weight	Aluminum alloy, anodizing and anti-scratch treatment Black + Silver Desktop, wall mount Big Finned aluminum heatsinks, fanless design Power switch, Power LED, HDD LED 236.5 * 150.0 * 60.0 (mm) About 1.6 KG
<b>Power &amp; Environmental</b>	Operating temp. Storage temp. Humidity Vibration Shock Power input Certificate	-20 ~ + 60 (°C) -40 ~ + 70 (°C) 10 ~ 95% @ 10C (No condensation) 50 ~ 500 Hz, 1.5G, 0.15mm peak to peak 10G/Peak (11 ms) DC 9~36V CE/FCC/ROHS

## Dimension

DIMENSIONAL DRAWING:TBOX-3TX0/3DX0



DIMENSIONS IN MILLIMETERS

**TAICENN**  
DATE:2022.11.29  
REV:A Unit:mm

## Ordering information

Part no.	Description
TBOX-3D10	Intel Core i3-1215U, 5 GbE (4 PoE), 4 USB3.1, 2 USB2.0, 2 COM, 1 HDMI, 1 VGA, DC 9~36V, No GPIO, PSU
TBOX-3D10D	Intel Core i3-1215U, 5 GbE (4 PoE), 4 USB3.1, 2 USB2.0, 2 COM, 1 HDMI, 1 VGA, ADC 9~36V, <b>32 GPIO</b> , PSU
Optional Accessories	Description
Memory	SO-DIMM, DDR5, <u>8GB/16GB/32GB/64GB</u>
Storage	SSD: <u>256GB/512GB/1TB</u>
	Wi-Fi module, with Antenna
Wireless	Wi-Fi module with BT integrated, with antenna
	All network 4G module, with Antenna

## Packing List

Description	Quantity
Standard TBOX-3D10 Box PC Product	1 piece
PSU (Power supply)	1 set
Power Cable & Plug	1 set