



Features:

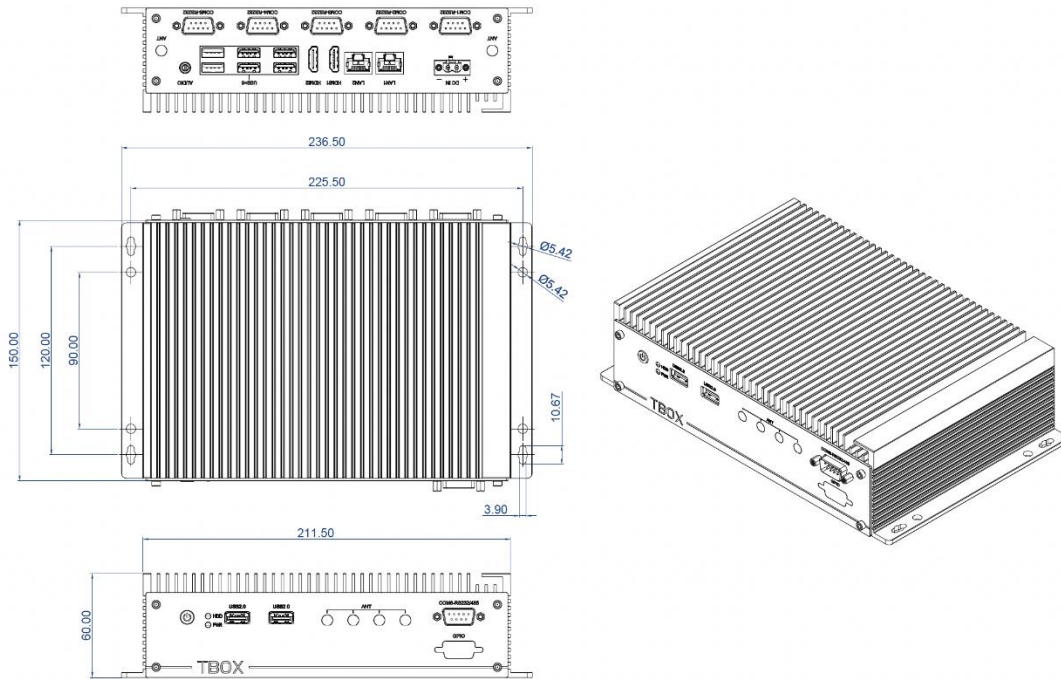
- Rugged & compact, fanless designed box structure;
- On-board Intel Tiger Lake UP3 Celeron 6305E Dual-core processor;
- 1* DDR4 memory, single slot, max. up to 32GB,
- 1* M.2 2280(NGFF) Key-M slot (PCIe x4 NVME) SSD;
- DC 12V input, optional wide voltage DC 9~36V input;
- 2 GLAN, optional 2 wireless expansion 4G/5G, WIFI/BT support;
- 8 USB (6 USB3.0), 6 COM, GPIO (Optional), 2 HDMI, Audio;
- Industrial -20 ~ + 70°C operating range, optional -40~+80 °C.



Specification

System	BIOS	SPI AMI EEI BIOS
	CPU	Intel Celeron 6305E, Dual core, 1.8Ghz
	TDP	15W (Fixed configuration)
	TPM	Intel PTT TPM2.0
	Memory	SO-DIMM, DDR4-2666/2933/3200 MHz, Single slot, Max. up to 32GB
	Storage	1*M.2 (NGFF) 2280 Key-M slot (PCIe x3) SSD, 1* 2.5" SATA (optional)
	Graphic	Intel UHD Graphics (Up to 48 EUs, 1.25Ghz)
	Network	1* Intel I219, 1* Intel I225 LAN chips, Optional WIFI+BT (M.2 2230), 4G/5G (M.2 Key-B 3042/3052)
	Audio	On-board Realtek ACL897 Audio controller
	Expansion	1* M.2 (NGFF) Key-E slot, 1* M.2 (NGFF) Key-B slot
Watchdog	0 ~ 256 seconds programmable	
Operating system	Win10 /Win11, Linux	
IO interface	Serial port	COM1: RS232/RS485; COM2/3/4/5: RS232; COM 6: RS485 (Optional RS232)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	1* Mic-in/Line-out (2in1 3.5mm Jack)
	USB	6* USB3.0 + 2* USB2.0
	Display	2* HDMI (Max. support 4096 * 2160 @30Hz)
	Power input	1* 2 pins, Phenix terminal
	Optional	8* GPIO (1* DB9 port)
Structure	Box structure and surface	Aluminum alloy, anodizing and anti-scratch treatment
	Color	Silver
	Mount method	Desktop, wall 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
	Power & Environmental	Operating temp.
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 12V (Optional DC 9~36V)	
Power consumption	About 25W	
EMC	CE/FCC Class A	

Dimensions (mm)



Ordering information

Part no.	Description
TBOX-12T05	Intel Celeron 6305E, Dual core, 2 RJ45, 6 USB3.0, 2 USB2.0, 6 COM, 2 HDMI, Audio, DC 12V, PSU
TBOX-12T05W	Intel Celeron 6305E, Dual core, 2 RJ45, 6 USB3.0, 2 USB2.0, 6 COM, 2 HDMI, Audio, DC 9~36V, No PSU
TBOX-12T05D	Intel Celeron 6305E, Dual core, 2 RJ45, 6 USB3.0, 2 USB2.0, 6 COM, 2 HDMI, GPIO, Audio, DC 12V, PSU
-4G / -8G/-16G/-32G	Memory: SO-DIMM, DDR4, <u>4GB/8GB/16G/32G</u>
-128GS / -256GS / -512GS	M.2 NVMe SSD: <u>128GB/256GB/512GB</u>
	2.5" SATA SSD: <u>128GB/256GB/512GB/1TB</u>
	2.5" HDD: <u>2TB/4TB</u>
TBOX-WiBlu	Wi-Fi module with BT integrated, with antenna
EM06-E-Pckit	All network 4G module, with Antenna
	5G module, with antenna
Power supply	Optional PSU for TBOX-12T05W (if needed)

Packing List

■ 1 unit standard Product
■ 1 set PSU (Power supply)
■ 1 set Power Cable & Plug

