

TBOX-2820

**Powerful Box PC With Intel Core i5-8265U;
2 GbE, 8 USB, 6 COM, 1 HDMI, 1 VGA, Audio;
Wide DC 12~24V; 1* Mini-PCIe slot**

Version: 3.2



Features:

- Rugged & compact, fanless designed box structure;
- Powerful Intel Whiskey Lake 8th Gen. Core i5-8265U processor;
- Single DDR4 memory, up to 16GB, 1* mSATA storage slot;
- DC terminal, wide DC 12~24V power input;
- 2 GLAN, optional with 3G/4G/LTE, and Wi-Fi/BT expansion;
- 4 USB3.0, 4 USB2.0, 6 COM, 1 HDMI, 1VGA, Line-out;
- 1 Mini-PCIe expansion slot;
- Industrial operating -20 ~ +70°C temp. range.

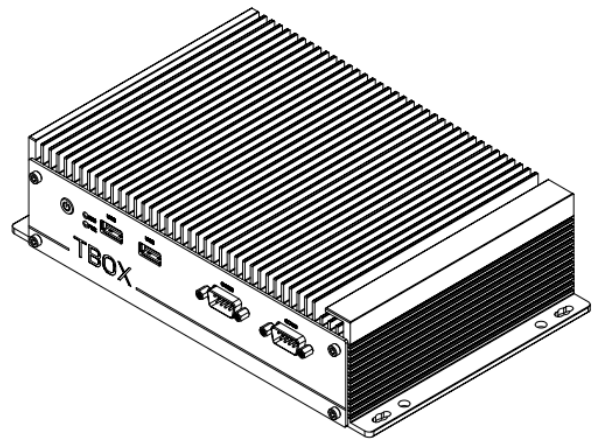
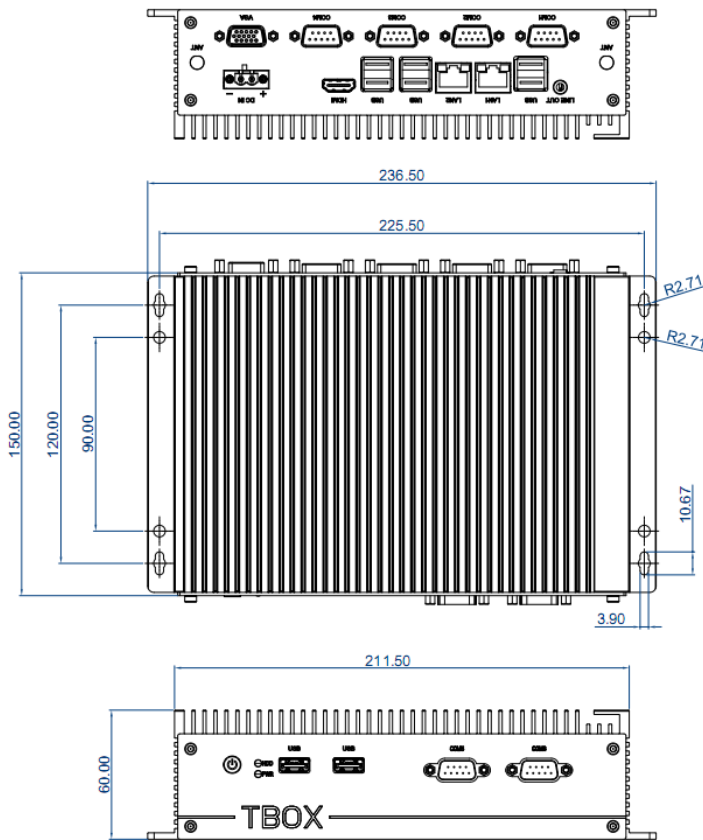


Specification

System	BIOS	SPI AMI EEI BIOS
	CPU	Intel 8 th Gen. Core i5-8265U processor
	CPU Ghz	Quad-core 1.6Ghz, burst to 3.9Ghz
	TDP	15W
	Memory	SO-DIMM, DDR4-2400 Mhz, Max. up to 16GB
	Storage	1* mSATA slot (Optional support 1* 2.5" SATA slot)
	Graphic	Intel HD Graphics 620
	Network	2* Intel I210AT, 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
IO interface	Serial port	6* RS232 (Optional 1* RS485)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	Line-out
	USB	4* USB3.0, 4* USB2.0,
	Display	1* HDMI, 1 VGA
	Power input	1* 2 pin, phenix terminal
	GPIO	8* GPIO (Optional via 1* DB9)
Structure	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 * 150.0 * 60.0 (mm)
	Net weight	About 1.5 KG
Power & Environmental	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	10G/Peak (11 ms)
	Power input	DC 12~24V
	Power consumption	About 25W
	Certificate	CE/FCC/ROHS

Dimension

DIMENSIONAL DRAWING:TBOX-28X0



DIMENSIONS IN MILLIMETERS

TAICEN
DATE:2019.11.25
REV:A Unit:mm

Ordering information

Part no.	Description
TBOX-2810	Intel Core i3-8145U processor, 2 GbE, 4 USB3.0, 4 USB2.0, 1 HDMI,1 VGA, Line-out, DC 12~24V, PSU
TBOX-2820	Intel Core i5-8265U processor, 2 GbE, 4 USB3.0, 4 USB2.0, 1 HDMI,1 VGA, Line-out, DC 12~24V, PSU
TBOX-2830	Intel Core i7-8565U processor, 2 GbE, 4 USB3.0, 4 USB2.0, 1 HDMI,1 VGA, Line-out, DC 12~24V, PSU
Optional Accessories	Description
Memory	SO-DIMM, DDR4, <u>4GB/8GB/16GB</u> mSATA SSD: <u>32GB/64GB/128GB/256GB/512GB</u>
Storage	2.5" SATA SSD: 128GB/256GB/512GB/1TB 2.5" HDD: 1TB/2TB/4TB Wi-Fi module, with Antenna
Wireless	Wi-Fi module with BT integrated, with antenna All network 4G module, with Antenna
Mount Rack	Din 35 mount clip (2 set per unit)

Packing List

Description	Quantity
Standard TBOX-2820 Box PC Product	1 piece
60W PSU (Power supply)	1 set
Power Cable & Plug	1 set

