TBOX -2820

Rich IOs Industrial Box PC

Version: 3.0



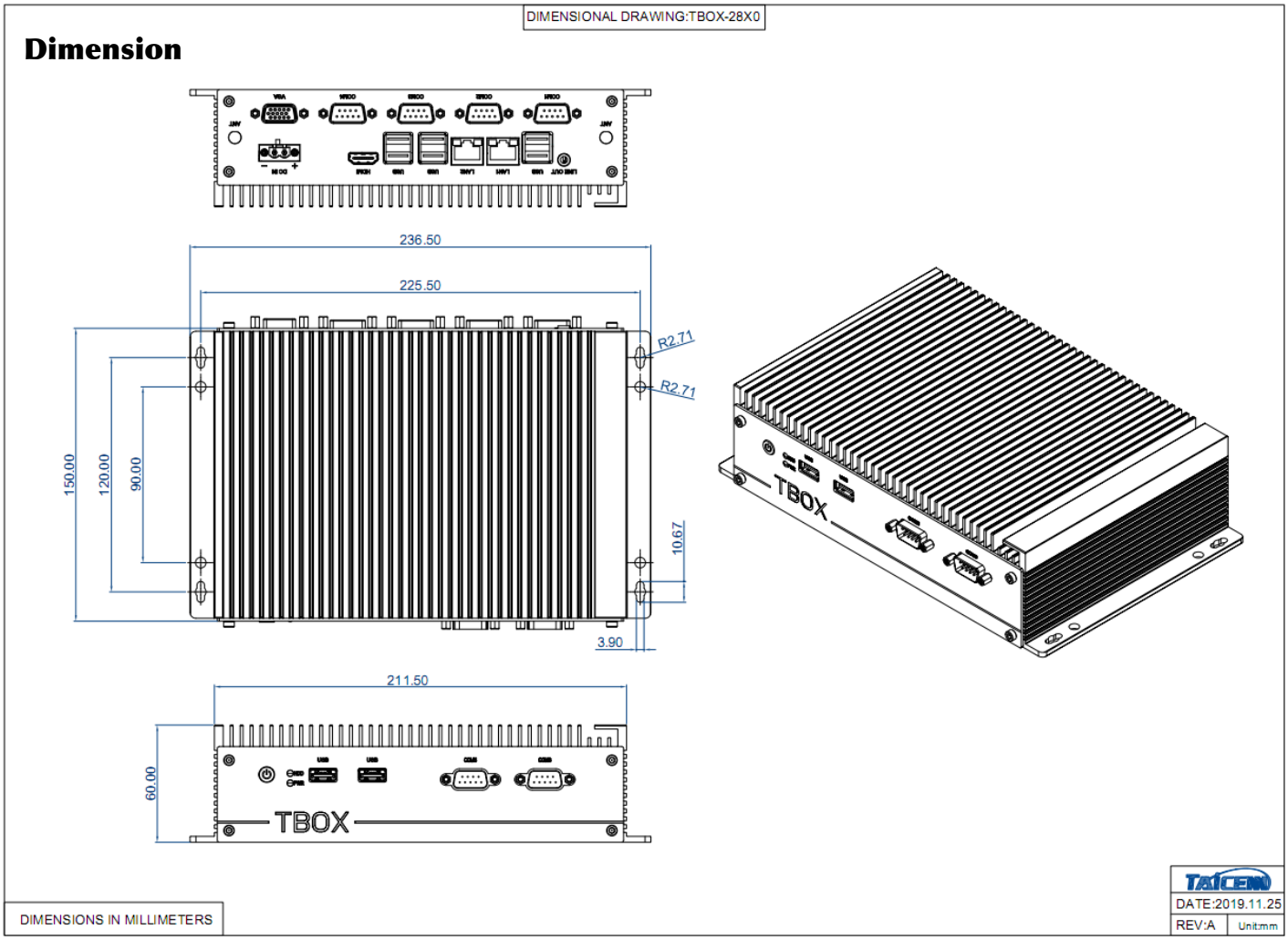
Features:

- Rugged & compact, fanless designed box structure;
- On-board Intel Whiskey Lake 8th-gen. Core i5-8265U quad-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, Line-out;
- Industrial -20 ~ + 70℃ operating range, optional -40~+80 ℃.

Specification

System	BIOS	SPI AMI EEI BIOS
	CPU	Intel Core i5-8265U
	CPU Ghz	Quad-core eight threads 1.6Ghz, Burst to 3.9Ghz
	TDP	15W
	Memory	SO-DIMM, DDR4-2400 MT/s, 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
IO interface	Serial port	6 * RS232 (Support 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 pins, Phenix terminal
	Optional	1* CAN, 8* GPIO
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 * 60 (mm)
	Net weight	About 1.6 KG
Power & Environmental	Operating temp.	-20 ~ + 70 ℃
	Storage temp.	-40 ~ + 80 ℃
	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

Dimension



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 i5-8265U, 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, DDR4, 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

The information in this specification is subject to change without notice.