

Nord Technology

Reseller of Taicenn hardware in Denmark

NORD TECHNOLOGY CONTACT INFORMATION

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TBOX-4T21





Features:

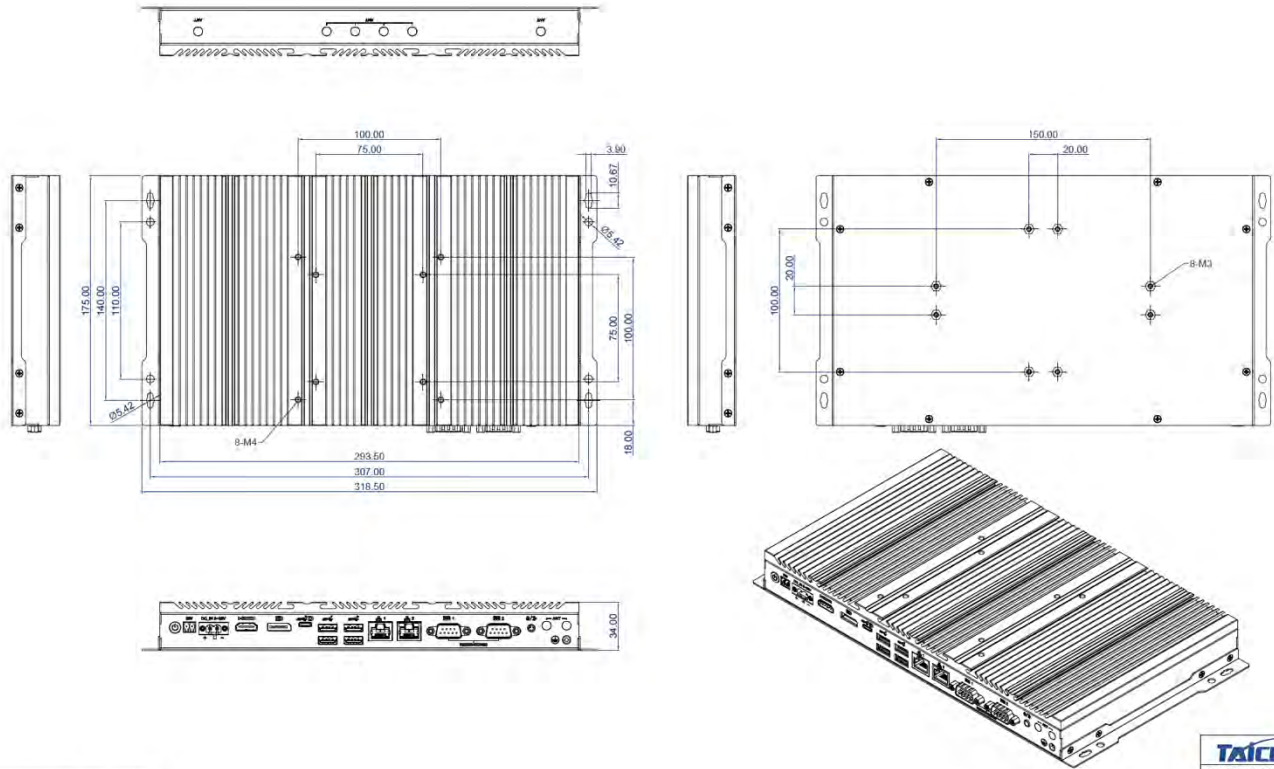
- Rugged & slim, fanless designed box structure;
- On-board Intel Tiger Lake UP3 Core i5-1135G7 Quad-core processor;
- Intel PTT TPM2.0, support Windows 11;
- 2* DDR4 memory, dual slots, max. up to 64GB;
- 1* M.2 2280(NGFF) Key-M slot (PCIe x4 Gen. IV NVMe) SSD;
- Wide voltage DC 9~36V power input;
- 2 GLAN, optional support 3G/4G, 5G, WIFI/BT wireless function;
- 4 USB (2 USB3.1), 2 COM, 1 DP, 1 HDMI, Audio;
- 1* USB type-C (USB3.1 & DP1.4a) port, 1 SW Remote Switch;
- 3 expansion slots: 1* M.2 B-key, 1* M.2 E-key, 1* Mini-PCIe;
- Industrial -20 ~ + 70°C operating range, optional -40~+80 °C.

Specification

System	BIOS	SPI AMI EEI BIOS
	CPU	Intel Core i5-1135G7, Quad core, up to 4.2Ghz
	TDP	15W (BIOS Fixed)
	TPM	Intel PTT TPM2.0
	Memory	2* SO-DIMM, DDR4-2666/2933/3200 MHz, Single slot, Max. up to 64GB
	Storage	1*M.2 2280 Key-M slot (PCIe x4 Gen. IV NVMe) SSD, 1* 2.5" SATA SSD
	Graphic	Intel Iris Xe Graphics (Up to 80 EUs, 1.3Ghz)
	Network	1* Intel I219LM, 1* Intel I226V LAN chips, Optional Wi-Fi + BT, 3G/4G, 5G
	Audio	On-board Realtek ACL897 Audio controller
	Expansion	1* M.2 (NGFF) Key-B 3042/3052 slot, 1* M.2 (NGFF) Key-E 2242 slot, 1* Mini-PCIe slot
	Watchdog	0 ~ 256 seconds programmable
	Operating system	Win10 /Win11, Linux
IO interface	Serial port	2 *RS232/RS422/RS485 (BIOS configurable)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	1* Mic-in/Line-out (2in1 3.5mm Jack)
	USB	2* USB3.1 Type-A (USB3.2 Gen2 x1 10Gbps), 2* USB3.0 Type-A (USB3.2 Gen1 x1 5Gbps)
	Display	1* HDMI (Max. support 4096 * 2304 @60Hz), 1* DP1.4a (Max. resolution 7680*4320 @60Hz)
	Power input	1* 2 pins, Phenix terminal
Structure	Box structure and surface	Aluminum alloy, anodizing and anti-scratch treatment
	Color	Black
	Mount method	Desktop, wall mount (Optional Din-Rail TBOX-4T21R)
	Cooling system	Finned aluminum heatsinks
	Indicator & Button	Power switch, Power LED, HDD LED
	Dimension	318.50 * 175 * 34 (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	10 G/Peak (11 ms)
	Power input	DC 9~36V
	Power consumption	About 25W
	EMC	CE/FCC Class A

DIMENSIONAL DRAWING:TBOX-4TX1

Dimension



DIMENSIONS IN MILLIMETERS

TAICEN
 DATE:2023.03.02
 REV:A Unit:mm

Ordering information

Part no.	Description
TBOX-4T21	Intel Core i5-1135G7, Quad core , 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 COM, 1 SW, 1 HDMI, 1 DP, Audio, DC 9~36V, PSU
TBOX-4T21R	Intel Core i5-1135G7, Quad core , 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 COM, 1 SW, 1 HDMI, 1 DP, Audio, DC 9~36V, PSU, Din-Rail mount
Memory	Memory: SO-DIMM, DDR4, 4GB/8GB/16G/32G/64GB
Storage	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>
Wireless Modules	Wi-Fi module, with Antenna Wi-Fi module with BT integrated, with antenna All network 4G module, with Antenna 5G module, with antenna

Packing List

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