

Nord Technology

Reseller of Taicenn hardware in Denmark

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TAICENN TBOX-2D38



TBOX-2D38

Powerful Box PC With new Intel 12th Gen. Core i7-1255U; 2 RJ45, 4 USB, 1 USB-C, 6 COM, 1 HDMI, 1 DP, Audio; DC 9~36V Input; 3 Expansion slots

Version: 3.0



Features:

- Rugged & compact, fanless designed box structure;
- Powerful Intel Alder Lake 12th Gen. Core i7-1255U processor;
- Dual DDR5 memory, max. up to 64GB, 2* M.2 & 1 SATA 3.0 storage;
- DC Terminal, wide 9~36V power input, 1 SW remote switch;
- 2 RJ45, optional with 3G/4G/LTE, 5G, Wi-Fi/BT and Wi-Fi 6;
- 2 USB3.1, 2 USB3.0, 1 USB-C, 6 COM, 1 HDMI, 1 DP, Audio;
- 2 M.2 and 1 Mini-PCIe expansion slots;
- Industrial operating -20 ~ +60°C temp. range.

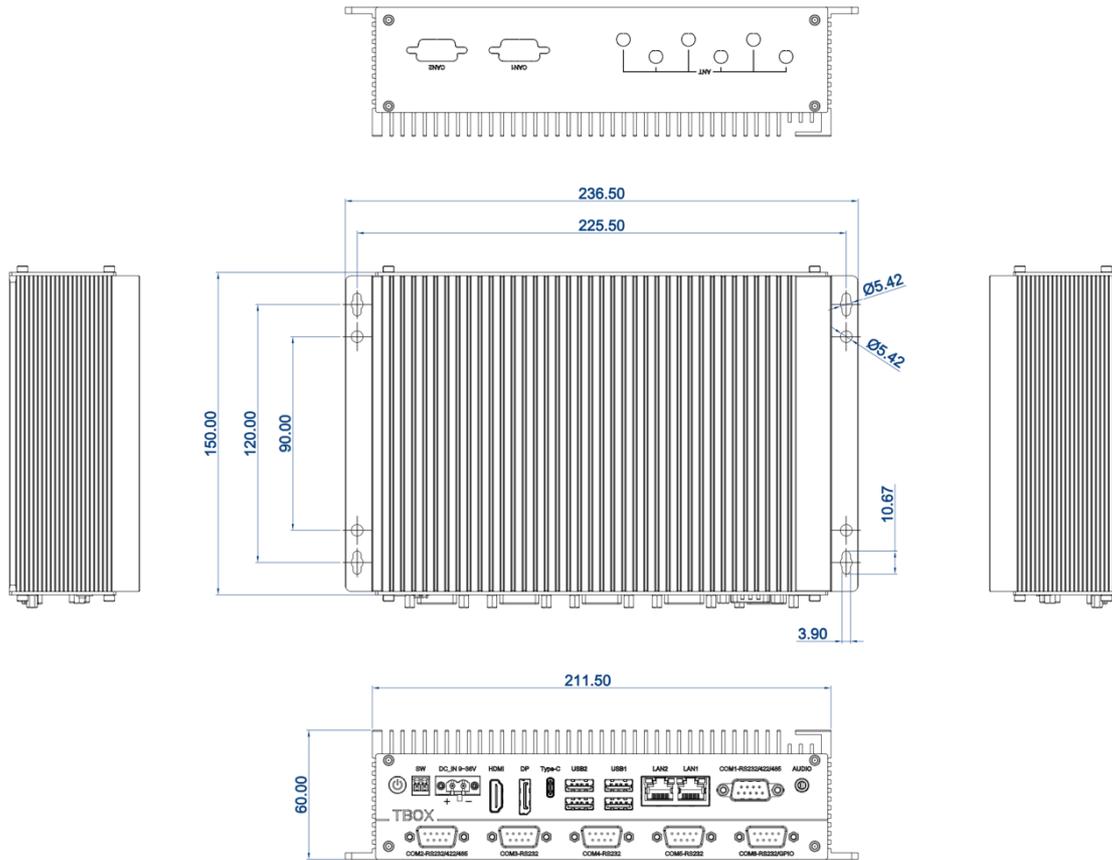
Specification



System	<p>BIOS: SPI AMI EEI BIOS</p> <p>CPU: Intel 12th Gen. Core i7-1255U processor</p> <p>CPU Ghz: 10 cores (2P+8E), 12 threads, 1.70Ghz, TDP 15W</p> <p>TPM: Intel PTTMP2.0</p> <p>Memory: SO-DIMM, DDR5-4800 Mhz, Dual channels, Max. up to 64GB</p> <p>Storage: 1* M.2 2280 M-Key slot (PCIe x4 Gen IV, NVMe) SSD, 1* M.2 2280 M-Key slot (NVMe/SATA) SSD, 1* SATA3.0 SSD</p> <p>Graphic: Intel Iris Xe Graphics eligible (Up to 80 EUs, 1.25Ghz)</p> <p>Network: 1* Intel I226 (2.5GbE), 1* Intel I219 (1.0GbE) Network chips, optional support 3G/4G/5G/Wi-Fi/BT, Wi-Fi6 wireless</p> <p>Audio: On-board Realtek ACL897 Audio controller</p> <p>Expansion: 1* M.2 (NGFF) B-Key 3042/3052 slot, 1* M.2 E-Key 2230 slot, 1* Mini-PCIe slot, 1* Sim card slot</p> <p>Watchdog: 0 ~ 256 seconds programmable</p> <p>Operating system: Win10 IoT 2021 LTSC; Win10 (21H2), Win11(21H2 or later); Linux Kernel 5.17 or later</p>
IO interface	<p>Serial port: COM1/2: RS232/RS485/RS422 (BIOS control); COM3/4/5/6: RS232</p> <p>Ethernet: 2* RJ45</p> <p>Audio: 1* Mic-in/Line-out (2 in 1, 3.5mm Jack)</p> <p>USB: 2* USB3.1 type-A (USB3.2 Gen2x1 10Gbps), 2* USB3.0 type-A (USB3.2 Gen1x1 5Gbps), 1* USB-C (USB3.1 & DP1.4)</p> <p>Display: 1* HDMI1.4 (Max. resolution to 4K@30Hz), 1* DP++ (Max. support 8K @30Hz)</p> <p>Power input: 1* 2 pin, phenix terminal</p> <p>GPIO: 8* GPIO (Optional via 1* DB9)</p>
Structure	<p>Box structure and surface: Aluminum alloy, anodizing and anti-scratch treatment</p> <p>Color: Silver</p> <p>Mount method: Desktop, wall mount</p> <p>Cooling system: Finned aluminum heatsinks</p> <p>Indicator & Button: Power switch, Power LED</p> <p>Dimension: 236.5 * 150.0 * 60.0 (mm)</p> <p>Net weight: About 1.6 KG</p>
Power & Environmental	<p>Operating temp.: -20 ~ + 60 (°C)</p> <p>Storage temp.: -40 ~ + 80 (°C)</p> <p>Humidity: 10 ~ 95% @ 10C (No condensation)</p> <p>Vibration: 50 ~ 500 Hz, 1.5G, 0.15mm peak to peak</p> <p>Shock: 10G/Peak (11 ms)</p> <p>Power input: DC terminal 9~36V range</p> <p>Power consumption: About 25W</p> <p>Certificate: CE/FCC/ROHS</p>

Dimension

DIMENSIONAL DRAWING:TBOX-2DX8



DIMENSIONS IN MILLIMETERS

TAICENN
DATE:2024.10.22
REV:E Unit:mm

Ordering information

Part no.	Description
TBOX-2D38	Intel 12 th Gen. Core i7-1255U 10C/12T processor, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 6 COM, 1 HDMI,1DP, Audio Jack, DC 9~36V, 1 SW, PSU
Optional Accessories	Description
Memory	SO-DIMM, DDR5, 8GB/16GB/32GB/64GB M.2 NVMe SSD: 256GB/512GB/1TB
Storage	M.2 SATA SSD: 256GB/512GB/1TB 2.5" SATA SSD: 128GB/256GB/512GB/1TB 2.5" HDD: 1TB/2TB/4TB Wi-Fi module with BT Integrated, with Antenna
Wireless	All network 4G module, with Antenna 5G network module, with Antenna Wi-Fi 6 module, with Antenna

Packing List

Description	Quantity
Standard TBOX-2D38 Box PC Product	1 piece
60W PSU (Power supply)	1 set
Power Cable & Plug	1 set