

Nord Technology

Reseller of Taicenn hardware in Denmark

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TAICENN TPC-DCT215D



TPC-DCT215D

21.5" FHD Panel PC with Intel Alder Lake -U; Front IP66 rated; 2 RJ45, 4 USB, 1 HDMI, 1 DP, 3 COM, 1 SW; Pcap. Touch; DC 9~36V; 2 M.2 & 1 Mini-PCIe slots.

Version: 3.0



Features:

- Modular & Fanless designed, aluminum-magnesium alloy;
- Intel 12th Gen. Alder Lake-U Core i3/i5/i7 processors;
- Widescreen 21.5" TFT LCD Display, LED Backlit, FHD 1920*1080;
- Multi up to 10 points Pcap. touchscreen, EETI controller;
- DC terminal, wide 9~36 V input range;
- 2 RJ45, 2 USB3.1, 2 USB3.0, 3 COM, 1 HDMI, 1 DP, Audio;
- 1 USB type-C (USB3.1 & DP1.4a), 1 SW Remote Switch;
- Intel PTT TPM2.0, Support Windows 11 OS;
- Panel mount, VESA 75/100 mount, Front IP66 rated protection;
- Optional 2 M.2 and 1 Mini-PCIe expansion slots.

Specification

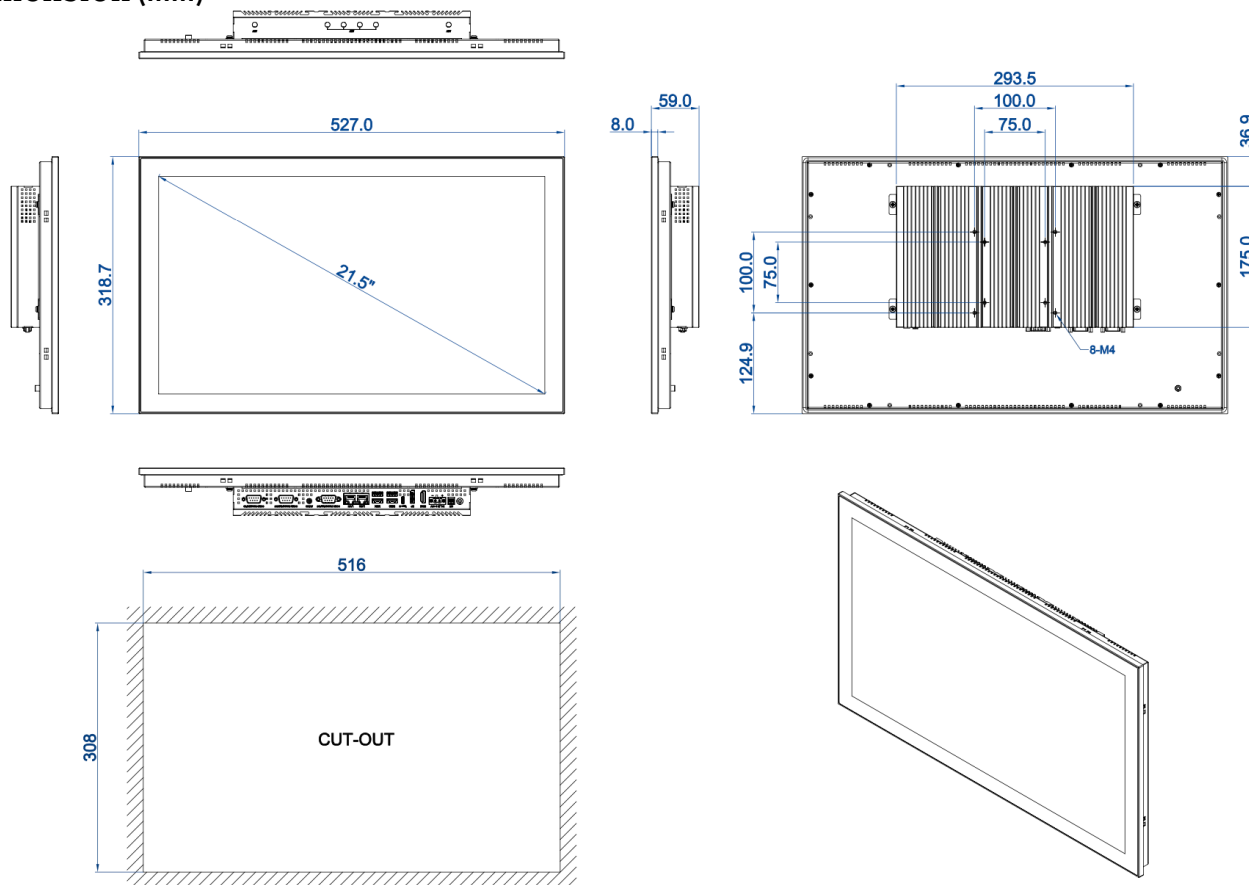


| | | |
|------------------------------|---------------------|---|
| Hardware & System | BIOS | SPI AMI EEI BIOS |
| | CPU | Intel 12 th Gen. Core i3-1215U, Core i5-1235U, Core i7-1255U |
| | Graphic | Intel UHD/Iris Xe Graphic |
| | Memory | 2* SO-DIMM, Support DDR5-4800 MHz, Max. up to 64GB |
| | Storage | 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 |
| | Network | 1* Intel I226 (2.5GbE), 1* Intel I219 (GbE) Network chips, optional 3G/4G/5G/Wi-Fi/BT, Wi-Fi6 wireless |
| | Audio | On-board Realtek ACL 897 Audio controller |
| | 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 |
| | Watch dog | 0 ~ 256 seconds programmable |
| | Operating System | Win10 IoT 2021 LTSC; Win10 (21H2), Win11(21H2 or later); Linux Kernel 5.17 or later |
| I/O Interface | Ethernet | 2 RJ45 |
| | COM | COM1/2: RS232/RS485/RS422 (BIOS configured); COM3: RS232/GPIO |
| | Audio | Mic-in/Line-out (2 in 1, 3.5mm Jack) |
| | USB | 2* USB3.1 (USB3.2 Gen2 x1, 10 Gbps), 2* USB3.0 (USB3.2 Gen1 x1, 5Gbps), 1* USB-C (USB3.1 & DP1.4a) |
| | Display | 1* HDMI1.4 (Max. resolution to 4K@30Hz), 1* DP++ (Max. support 8K @30Hz) |
| | Power | 1* 2 Pins, Phenix Terminal |
| LCD Display | Size/Type | 21.5" TFT LCD Display |
| | Resolution | 1920 * 1080 (Full HD) |
| | Brightness | 250 nits |
| | Backlit & Lifetime | LED Backlit & 30K hours |
| | Display Area | 476.64 * 268.11 (mm) |
| | View Angle | 89/89/89/89 |
| Touchscreen | Type | Projective capacitive touchscreen |
| | Touch points | Multi points touch, max. up to 10 points |
| | Durability | >100 000 000 times |
| | Surface Hardness | MOHS 6H |
| | Touch Controller | EETI |
| | Special Treatment | Anti-Fingerprint (AF) |
| Structure | Structure & Surface | Magnesium-Aluminum alloy, sand blasting, anodized treated |
| | Cooling System | Large area finned heatsink (Fanless designed) |
| | Overall Dimension | 527.0 * 318.7 * 59.0 (mm) |
| | Cut-out Dimension | 516 * 308 (mm) |
| | Net Weight | 7.0 KG |
| | Mount Method | Panel mount, VESA 75/100 Mount |
| | Operating temp. | 0 ~ + 60 (°C) |

| Power & Environmental | Storage temp. | -20 ~ + 60 (°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 | Wide DC 9~36 V |
| | Power consumption | About 45W |
| | Certificate | CE/FCC/ROHS |

DIMENSIONAL DRAWING:TPC-DCT215D

Dimension (mm)



DIMENSIONS IN MILLIMETERS

TAICENN
DATE:2024.10.22
REV:C Unit:mm

Ordering information

| Part no. | Description | | |
|----------------------|---|---------------------------------------|------------------|
| TPC-DCT215D1 | 21.5" LCD, FHD 1920 *1080, Intel Core i3-1215U, Pcap. Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 3 COM, Audio, 1 SW, DC 9~36V, PSU | | |
| TPC-DCT215D2 | 21.5" LCD, FHD 1920 *1080, Intel Core i5-1235U, Pcap. Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 3 COM, Audio, 1 SW, DC 9~36V, PSU | | |
| TPC-DCT215D3 | 21.5" LCD, FHD 1920 *1080, Intel Core i7-1255U, Pcap. Touch, 2 RJ45, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 3 COM, Audio, 1 SW, DC 9~36V, PSU | | |
| Optional Accessories | Description | Packing List | |
| Memory | SO-DIMM, DDR5, <u>8GB/16GB/32GB/64GB</u> | Standard TPC-DCT215D Panel PC Product | 1 set |
| Storage | SSD: <u>128GB/256GB/512GB/1TB</u> | PSU (90W Power Supply) | 1 set |
| Wireless | Wi-Fi Module, with Antenna | Panel mount clips (Metal) | 1 set (8 pieces) |
| | Wi-Fi Module with BT Integrated, With Antenna | Power Cable & Plug | 1 set |
| | All Network 4G module, with Antenna | | |
| | 5G Network module, with Antenna | | |