

Nord Technology

Reseller of Taicenn hardware in Denmark

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TPC-DRT T (Resistive Touch)
TPC-DRT215T



TPC-DRT215T

21.5" FHD Intel Tiger Lake UP3 Touch Panel PC

Version: 1.0



Features

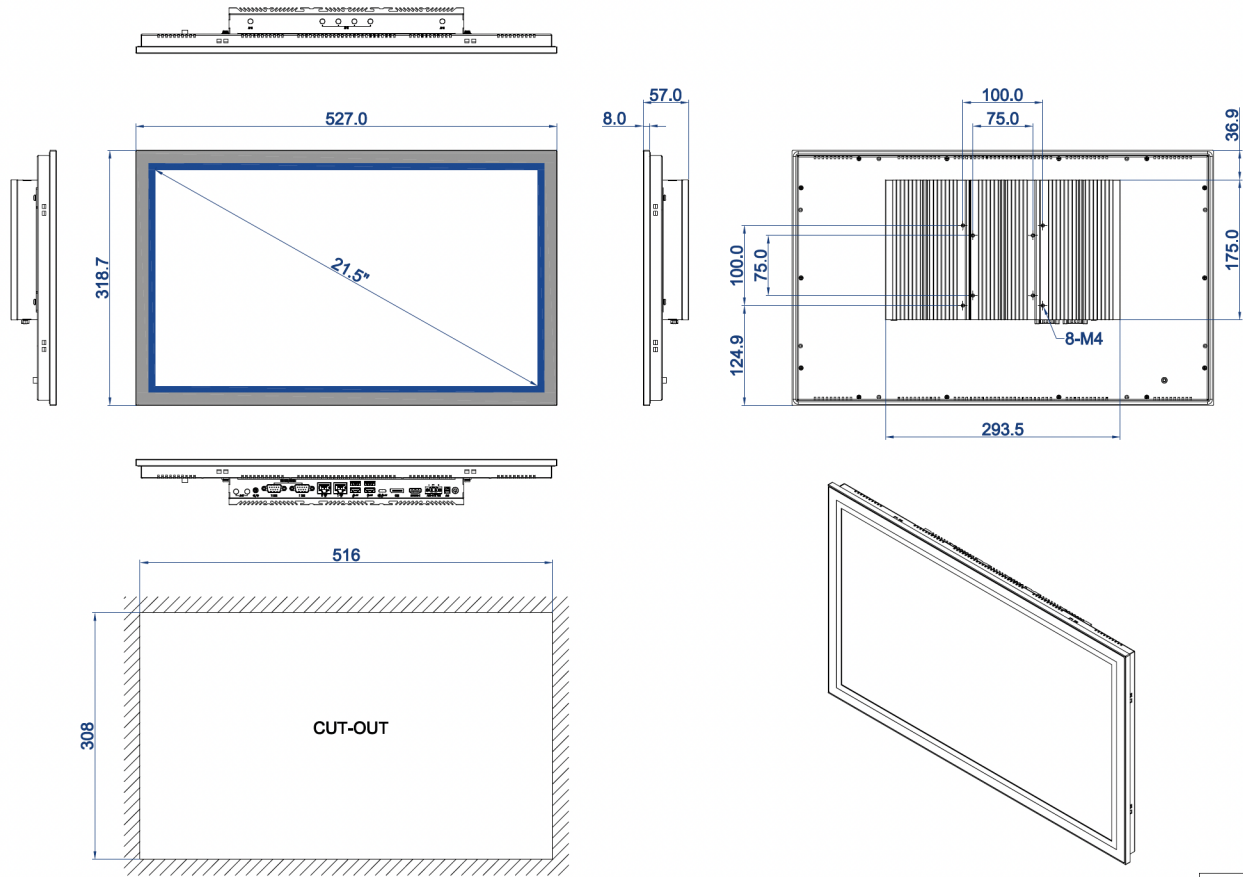
- Widescreen 21.5" TFT LCD display, LED Backlit, FHD 1920 *1080;
- Intel 11th Gen. Tiger Lake UP3 Core i3/i5/i7 processors;
- 2* DDR4 memory, up to 64GB, 1* M.2 2280 (NGFF) storage;
- High precision 5-wires resistive touch, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- Wide DC 9~36V power input range;
- IO: 2*GLAN, 2*USB3.1, 2* USB3.0, 2*COM (DB9), 1*HDMI, 1*DP, Audio;
- Optional 1* USB-Type C (USB3.1 & DP1.4a);
- Intel PTT TPM2.0, support Windows 11;
- Fan-less & Slim design, Panel mount, VESA, Front IP65 protection.

Specification

Hardware & System	BIOS	SPI AMI EEI BIOS
	CPU	Intel 11 th Gen. Tiger Lake UP3 Core i3-1115G4, Core i5-1135G7, Core i7-1165G7
	TDP	Default 15W (BIOS fixed)
	Memory	2* SO-DIMM, Support DDR4 2666/2933/3200 MHz, Max. up to 64GB
	Storage	1* M.2 2280 (PCIe NVMe) SSD, 1* 2.5" SATA SSD
	Graphic	Intel Iris Xe Graphics
	Network	1* Intel I219LM, 1* Intel I226V LAN chips, Optional Wi-Fi +BT, 3G/4G/5G
	Audio	On-board Realtek ACL 897 audio controller
	Expansion	1* M.2 (NGFF) Key-B 3042/3052 slot, 1* M.2 (NGFF) Key-E 2242 slot, 1* Mini-PCIe
	Watch dog	0~256 seconds programmable
OS	Win10, Win11, Linux, Ubuntu	
IO interface	COM	2*RS232/RS422/RS485 (BIOS configuration)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	Mic-in/Line-out (2 in 1, 3.5mm jack)
	USB	2* USB3.1 Type-A (USB3.2 Gen2 x1 10 Gbps), 2* USB3.0 Type-A (USB3.2 Gen1 x1 5Gbps)
	Display	1* HDMI (Max. resolution 4096*2304 @60Hz), 1* DP1.4a (Max. Resolution 7680*4320 @60Hz)
	Power	1* 2 pins, phenix terminal
LCD Display	Size/Type	21.5" TFT LCD
	Resolution	1920 * 1080 (Full HD)
	Brightness	250 nits
	Backlit & MTBF	LED backlit & 30 000hours
	Display area	476.64 * 268.11
	View angle	89/89/89/89
Touchscreen	Type	High temp. 5-wires resistive touchscreen
	Response time	< 5ms
	Click life	250g / 35 million times
	Touch controller	EETI
	Special treatment	PET flim laminated, flat design
Structure	Structure and surface	Magnesium-Aluminum alloy, sand blasting, anodized treatment
	Mount method	Panel mount, VESA 75/100
	Cooling system	Large area finned heat sink
	Overall dimension	527.0 * 318.7 * 57.0 (mm)
	Cut-out dimension	516 * 308 (mm)
	Net weight	7.0 KG
	IP protection	Front Panel IP65
Power & Environmental	Operating temp.	0 ~ +50°C
	Storage temp.	-20 ~ +60°C
	Relative Humidity	10 ~ 95% @ 10C (non-condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 9-36V
	Power consumption	Around 45W
	EMC	CE/FCC Class A

DIMENSIONAL DRAWING:TPC-DRT215

Dimension



DIMENSIONS IN MILLIMETERS

TAICEN
 DATE:2023.03.04
 REV:A Unit:mm

Ordering info.

Part no.	Description
TPC-DRT215T1	21.5", 1920 * 1080, Core i3-1115G4, Dual-core 4.10Ghz, Resistive touch, 2*GLAN, 2*USB3.1, 2* USB3.0, 2*COM, Audio, 1*HDMI, 1* DP, DC 9~36V, PSU
TPC-DRT215T2	21.5", 1920 * 1080, Core i5-1135G7, Quad-core 4.20Ghz, Resistive touch, 2*GLAN, 2*USB3.1, 2* USB3.0, 2*COM, Audio, 1*HDMI, 1* DP, DC 9~36V, PSU
TPC-DRT215T3	21.5", 1920 * 1080, Core i7-1165G7, Quad-core 4.40Ghz, Resistive touch, 2*GLAN, 2*USB3.1, 2* USB3.0, 2*COM, Audio, 1*HDMI, 1* DP, DC 9~36V, PSU
Memory	SO-DIMM, DDR4, <u>4GB/8G/16G/32G/64GB</u> Memory
Storage	M.2 SSD: <u>128GB/256GB/512GB</u>
Wireless Modules	Wi-Fi with BT integrated module, with Antenna
	All network 4G/LTE module, With Antenna
	5G module, with Antenna

Packing List

■ 1x Standard Product
■ 1x 60W PSU (Power Supply)
■ 1x Power cable & Plug
■ 8x Panel mount metal clips