

TPC-PRT170T

17.0" SXGA Panel PC with Intel Tiger Lake UP3; Front IP65 rated; 2 GbE, 5 USB, 1 HDMI, 1 DP, 6 COM, 1 SW; Resistive Touch; DC 9~36V; 2 M.2 & 1 Mini-PCIe slots.

Version: 3.2

Features:

- Modular & Fanless designed, aluminum-magnesium alloy;
- Intel 11th Gen. Tiger Lake UP3 Core i3/i5/i7 processors;
- 17.0" TFT LCD Display, LED Backlit, SXGA 1280*1024;
- High temp. 5-wires resistive touchscreen, EETI controller;
- Wide DC 9~36V input range;
- I/O ports: 2 GbE, 2 USB3.1, 2 USB3.0, 6 COM, 1 HDMI, 1 DP;
- 1 USB-C (USB3.1 & DP1.4a), 1 SW Remote Switch;
- Intel PTT TPM2.0, Support Windows 11 OS;
- Panel mount, VESA 75/100 mount, Front IP65 rated protection;
- Optional 2 M.2 and 1 Mini-PCIe expansion slots.



Specification

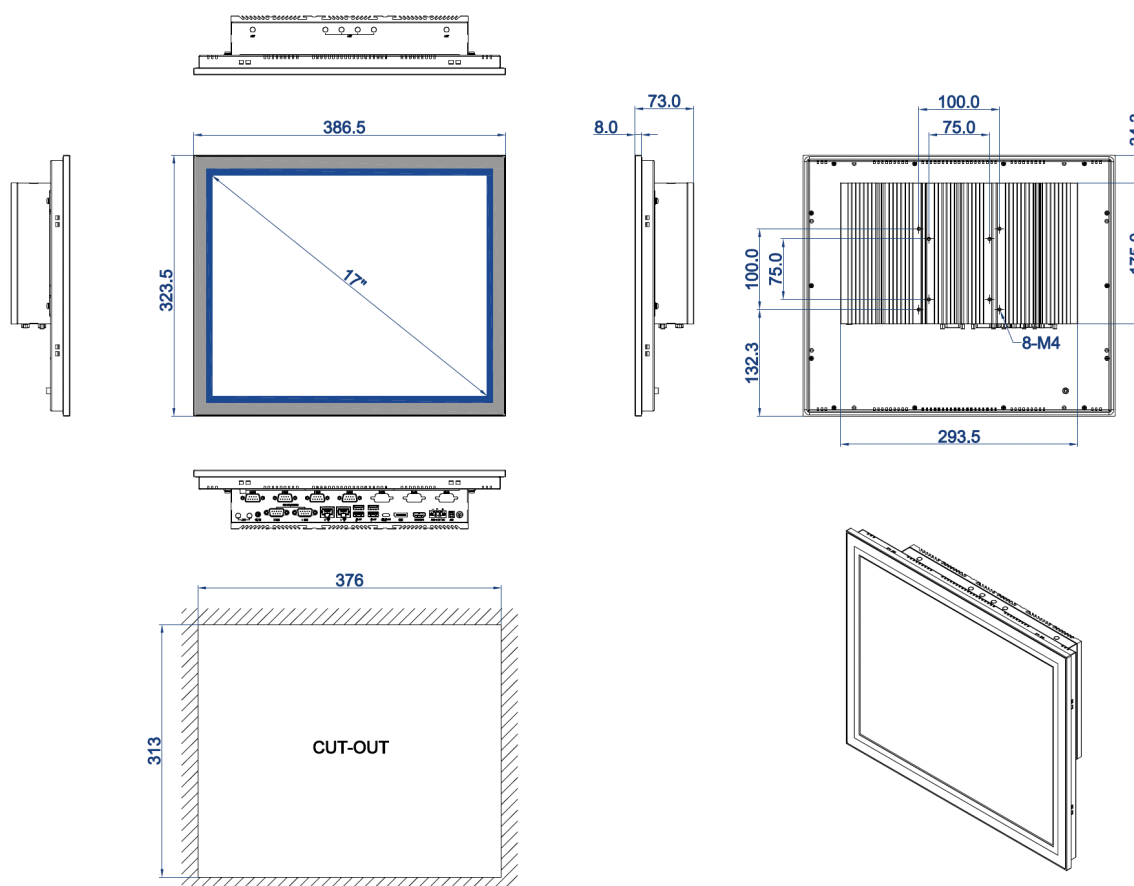


Hardware & System	BIOS	SPI AMI EEI BIOS
	CPU	Intel 11 th Gen. Core i3-1115G4, Core i5-1155G7, Core i7-1165G7
	Graphic	Intel UHD/Iris Xe Graphic
	Memory	2* SO-DIMM, Support DDR4 2666/2933/3200 MHz, Max. up to 64GB
	Storage	1* M.2 2280 M-Key slot (PCIe x4 Gen IV, NVMe) SSD, 1* 2.5" SATA III SSD
	Network	1* Intel I219LM, 1* Intel I226V GbE (Optional wireless 3G/4G/LTE, Wi-Fi/BT, 5G/Wi-Fi 6)
	Audio	On-board Realtek ACL 897 Audio controller
	Expansion	1* M.2 (NGFF) B-Key 3042/3052 slot, 1* M.2 E-Key 2242 slot, 1* Mini-PCIe slot
	Watch dog	0 ~ 256 seconds programmable
	Operating System	Win10, Win11, Linux, Ubuntu
I/O Interface	Ethernet	2 RJ45, 10/100/1000 Mbps
	COM	2 RS232/RS485/RS422 (BIOS configured), 4 RS232 (COM3~COM6)
	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* HDMI (Max. support 4096 * 2304 @60Hz), 1* DP1.4a (Max. 7680*4320 @60Hz)
	Power	1* 2 Pins, Phenix Terminal
	Optional	8* GPIO (1* DB9), 2* CAN (2* DB9)
LCD Display	Size/Type	17.0" TFT LCD Display
	Resolution	1280 * 1024 (SXGA)
	Brightness	250 nits
	Backlit & Lifetime	LED Backlit & 30K hours
	Display Area	337.92 * 270.336 (mm)
View Angle	89/89/89/89	
Touchscreen	Type	High temp. 5-wires precision resistive touchscreen
	Click Life	35 million times/250g
	Draw Life	5 million times/250g
	Surface Hardness	MOHS 6H
	Touch Controller	EETI
	Special Treatment	PET film laminated (Flat design)
Structure	Structure & Surface	Magnesium-Aluminum alloy, sand blasting, anodized treated
	Cooling System	Large area finned heatsink (Fanless designed)
	Overall Dimension	386.5 * 323.5 * 73.0 (mm)
	Cut-out Dimension	376 * 313 (mm)
	Net Weight	4.9 KG
	Mount Method	Panel mount, VESA 75/100 Mount

Power & Environmental	Parameter	Value
	Operating temp.	0 ~ + 50 (°C)
	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 40W
	Certificate	CE/FCC/ROHS

Dimension (mm)

DIMENSIONAL DRAWING:TPC-PRT170



DIMENSIONS IN MILLIMETERS

TAICENN
DATE:2023.03.04
REV:A Unit:mm

Ordering information

Part no.	Description		
TPC-PRT170T1	17.0", SXGA 1280*1024, Intel Core i3-1115G4, Resistive Touch, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 6 COM, Audio, 1 SW, DC 9~36V, PSU		
TPC-PRT170T2	17.0", SXGA 1280*1024, Intel Core i5-1155G7, Resistive Touch, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 6 COM, Audio, 1 SW, DC 9~36V, PSU		
TPC-PRT170T3	17.0", SXGA 1280*1024, Intel Core i7-1165G7, Resistive Touch, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 1 HDMI, 1 DP, 6 COM, Audio, 1 SW, DC 9~36V, PSU		
Optional Accessories	Description	Packing List	
Memory	SO-DIMM, DDR4, <u>4GB/8GB/16GB/32GB</u>	Standard TPC-PRT170T Panel PC Product	1 set
Storage	M.2 SSD: <u>128GB/256GB/512GB/1TB</u>	PSU (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		