

# TPC-PCS104T

10.4" XGA Tiger Lake UP3 Industrial Panel PC

Version: 1.0



## Features

- 10.4" TFT LCD display, LED Backlit, XGA 1024 \*768;
- Intel 11<sup>th</sup> Gen. Tiger Lake UP3, Celeron Core i3/i5/i7 processor;
- Single DDR4 memory, up to 32GB, 1\* M.2 2280 (NGFF) Key-M storage;
- Multi-points (Max. up to 10 points) Projective capacitive touch, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- 2 GLAN, Dual wireless expansion, 4G/5G, WIFI/BT support;
- DC 12V, Optional wide voltage DC 9~36V input;
- 8\*USB (6 USB3.0), 6\*COM (Optional GPIO), 2\*HDMI, Audio;
- Fan-less & Rich IO design, Panel mount, Front IP65 protection.

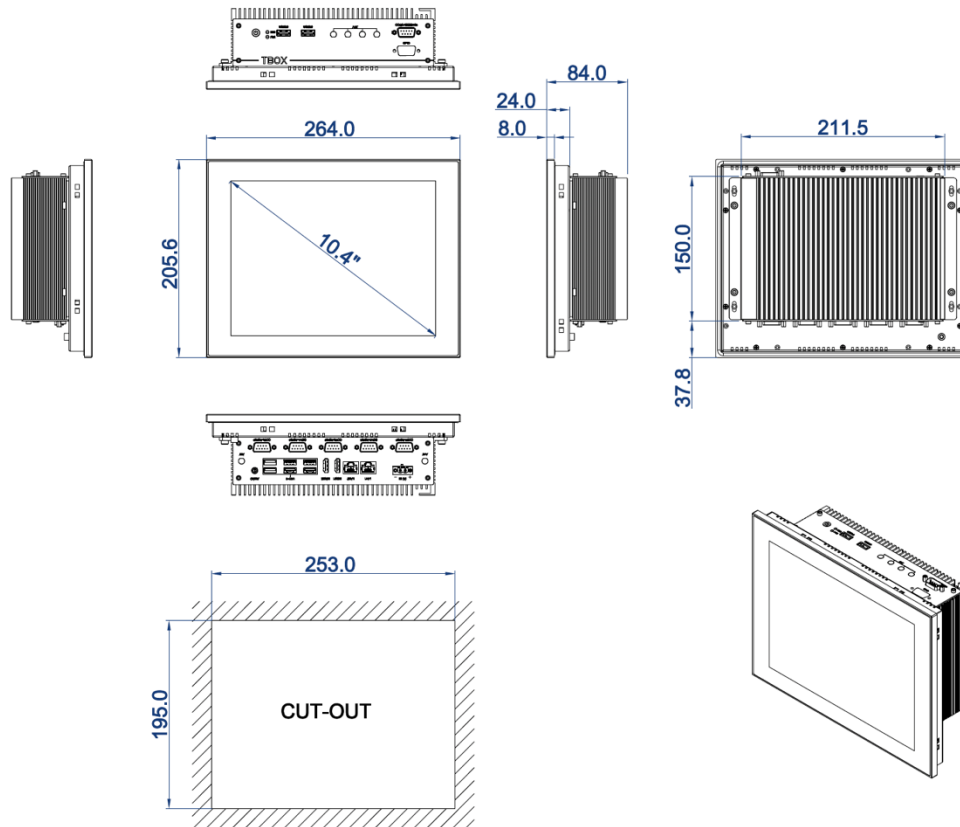
## Specification

<b>Hardware &amp; System</b>	BIOS	SPI AMI EEI BIOS
	CPU	Intel 11 <sup>th</sup> Gen. Tiger Lake UP3 Celeron 6305E, Core i3-1115G4, Core i5-1135G7, Core i7-1165G7
	TDP	Default 15W (BIOS Fixed)
	Memory	SO-DIMM, support DDR4 2666/2933/3200 MT/s, max. up to 32GB
	Storage	1* M.2 2280 (PCIe NVMe) SSD, optional support 1* 2.5" SATA
	Graphic	Intel UHD/Iris Xe Graphics
	Network	1* Intel I219, 1* Intel I225 (Optional 3G/4G, 5G, Wi-Fi/BT)
	TPM	Intel PTT TPM2.0
	Expansion	1* M.2 (NGFF) Key-B 3052 slot. 1* M.2 (NGFF) Key-E 2230 slot
	Watch dog	0~256 seconds programmable
OS	Win10/Win11, Linux, Ubuntu	
<b>IO interface</b>	COM	COM1/2: RS232/RS485; COM2/3/4/5: RS232; COM6: RS485 (Optional RS232)
	Ethernet	2x RJ45, 10/100/1000 Mbps
	Audio	1* Mic-in/Line-out (2 in 1, 3.5mm Jack)
	USB	6x USB3.0, 2x USB2.0
	Display	2x HDMI (Max. support 4096 * 2160 @30Hz)
	Power	1x 2 pins, phenix terminal
<b>LCD Display</b>	Size/Type	10.4" TFT LCD
	Resolution	1024 * 768 (XGA)
	Brightness	350 nits
	Backlit & Lifetime	LED backlit & 30 000hours
	Display area	211.2 * 158.4
	View angle	75/75/75/75
<b>Touchscreen</b>	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000 times
	Surface hardness	Mohs 6H
	Special treatment	Anti-fingerprint (AF)
<b>Structure</b>	Structure and surface	Magnesium-Aluminum alloy, sand blasting, anodized treatment
	Mount method	Panel mount (Optional support VESA 75/100 mount)
	Cooling system	Large area finned heat sink
	Overall dimension	264.0 * 205.6 * 84.0 (mm)
	Cut-out dimension	253 * 195 (mm)
	Net weight	4.0 KG
	IP protection	Front Panel IP65
<b>Power &amp; Environmental</b>	Operating temp.	-20 ~ +70°C
	Storage temp.	-30 ~ +80°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 12V (Optional DC 9~36V)
	Power consumption	Around 35W
	EMC	CE/FCC Class A

Last update: 23<sup>rd</sup>-Feb-2023

DIMENSIONAL DRAWING:TPC-PCS104E/T

**Dimension**



DIMENSIONS IN MILLIMETERS

**TAICEM**  
DATE:2022.07.28  
REV:A Unit:mm

**Ordering info.**

Part no.	Description
TPC-PCS104T0	10.4", 1024 * 768, <b>Celeron 6305E, Dual Core 1.80Ghz</b> , Pcap. touch, 2*GLAN, 6*USB3.0, 2*USB2.0, 6*COM, Audio, 2*HDMI, DC 12V, PSU
TPC-PCS104T1	10.4", 1024 * 768, <b>Core i3-1115G4, Dual Core 4.10Ghz</b> , Pcap. touch, 2*GLAN, 6*USB3.0, 2*USB2.0, 6*COM, Audio, 2*HDMI, DC 12V, PSU
TPC-PCS104T2	10.4", 1024 * 768, <b>Core i5-1135G7, Quad Core 4.20Ghz</b> , Pcap. touch, 2*GLAN, 6*USB3.0, 2*USB2.0, 6*COM, Audio, 2*HDMI, DC 12V, PSU
TPC-PCS104T3	10.4", 1024 * 768, <b>Core i7-1165G7, Quad Core 4.40Ghz</b> , Pcap. touch, 2*GLAN, 6*USB3.0, 2*USB2.0, 6*COM, Audio, 2*HDMI, DC 12V, PSU
<b>TPC-PCS104TxW</b>	10.4", 1024 * 768, <b>Celeron, Core i3/i5/i7</b> , Pcap. touch, 2*GLAN, 6*USB3.0, 2*USB2.0, 6*COM, Audio, 2*HDMI, <b>DC 9~36V, No PSU by default</b>
<b>Memory</b>	SO-DIMM, DDR4,4GB/8GB/16GB/32GB Memory
<b>Storage</b>	M.2 SSD: 128GB/256GB/512GB 2.5" SATA SSD: <u>128GB/256GB/512GB</u> 2.5" HDD: 2TB/4TB
<b>Wireless modules</b>	Wi-Fi module, with Antenna (M.2 interface) Wi-Fi with BT integrated module, with Antenna (M.2 interface) All network 4G/LTE module, With Antenna (M.2 interface) 5G network module, with antenna (M.2 interface)
<b>DC module</b>	DC to DC, wide voltage DC 9~36V
<b>Bracket</b>	Additional VESA bracket for VESA mounting
<b>SIM Card module</b>	SIM Card slot for 3G/4G/5G Wireless function

**Packing List**

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

The information in this specification is subject to change without notice.