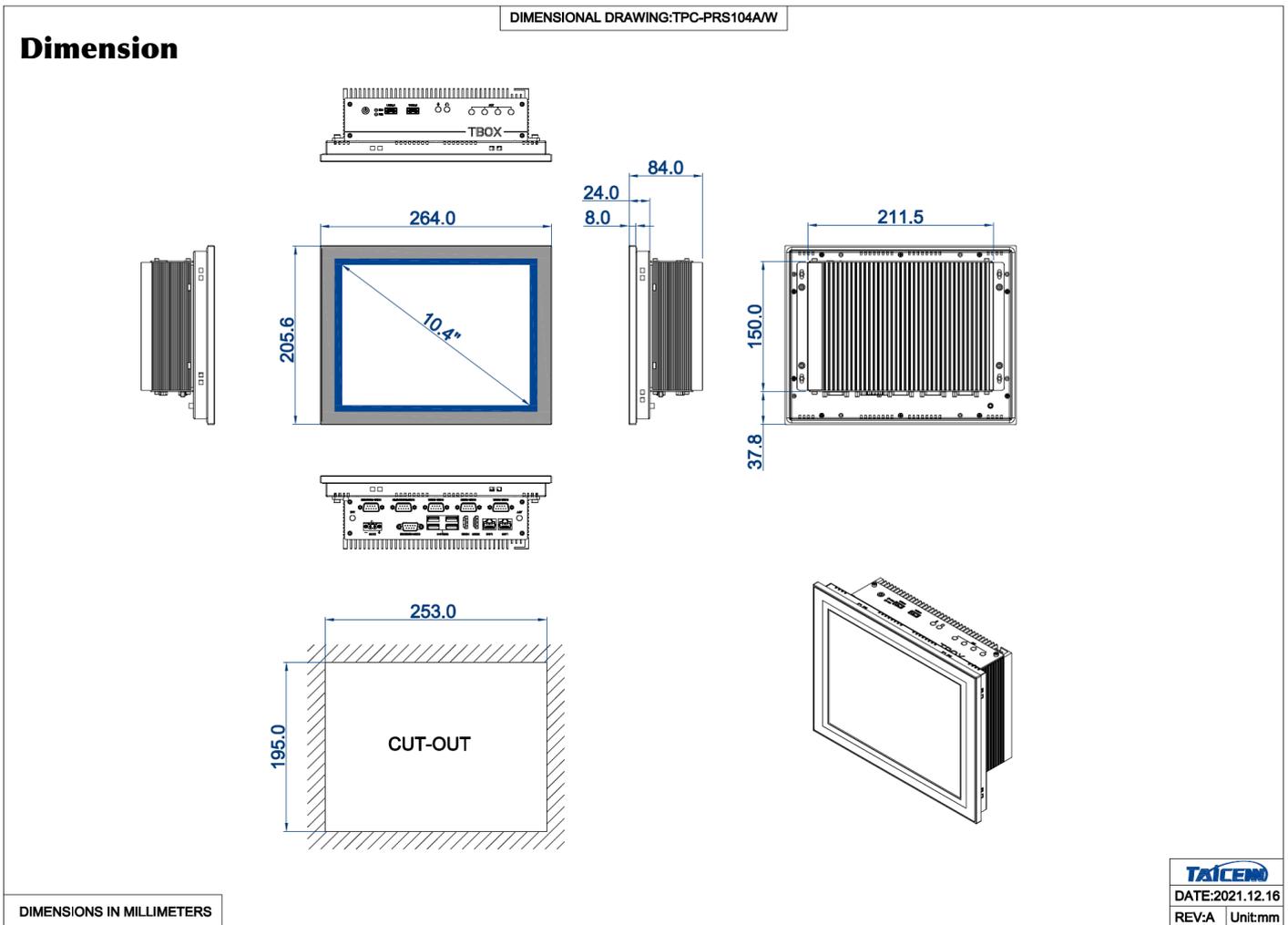## Features

- 10.4" TFT LCD display, LED Backlit, XGA 1024 *768;
- Intel Apollo Lake Celeron J3455 processor, Quad-core 1.5Ghz;
- Single DDR3L memory, up to 8GB, 1* M.2 2242 storage;
- High temp. 5-wires precision resistive touchscreen, EETI controller;
- Aluminum-magnesium alloy, anodized treatment, Modular designed;
- 2 GLAN, Dual wireless expansion, 4G/5G, WIFI/BT support;
- 4*USB3.0, 2*USB2.0, 6*COM (Optional GPIO), 2*HDMI;
- DC 12V, optional wide voltage DC 9~36V input;
- Fan-less & Rich IOs design, Panel mount, Front IP65 protection.

Specification

Hardware & System		
	BIOS	SPI AMI EEI BIOS
	CPU	Intel Apollo Lake J3455, Quad-core 1.5Ghz, burst to 2.3Ghz, TDP=10W
	Memory	SO-DIMM, Support DDR3L 1333/1600/1866 MHz, Max. up to 8GB
	Storage	1* M.2 2242 (Optional support 1* 2.5" SATA)
	Graphic	Intel UHD Graphics 500
	Network	2* Intel I210AT (Optional 3G/4G, 5G, Wi-Fi/BT, Wi-Fi 6)
	TPM	Intel PTT TPM2.0
	Expansion	1* M.2 Key-B 3042/3052 slot, 1* M.2 Key-E 2230 slot
	Watch dog	0~256 seconds programmable
	OS	Win10/Win 11, Linux
IO interface	COM	COM1: RS232(Optional RS485), COM2/3/4: RS232, COM5: RS232 (Optional 8 GPIO), COM6: RS485 (Optional RS232)
	Ethernet	2* RJ45, 10/100/1000 Mbps
	Audio	Default no Mic-in/Line-out (Optional)
	USB	4x USB3.0, 2x USB2.0
	Display	2x HDMI (Max. support 4096*2160 @30Hz)
	Power	1x 2 pins, phenix terminal
LCD Display	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
Touchscreen	Type	High temp. 5-wires Resistive touchscreen
	Response time	<5ms
	Click life	250g / 35 million times
	Special treatment	PET film laminated, flat design
	Touch controller	EETI
Structure	Structure and surface	Magnesium-Aluminum alloy, sand blasting, anodized treatment
	Mount method	Panel mount (Optional support VESA 75/100 mount with bracket)
	Cooling system	Large area finned heat sink
	Overall dimension	264 * 205.6 * 84.0 (mm)
	Cut-out dimension	253 * 195 (mm)
	Net weight	4.0 KG
	IP protection	Front Panel IP65
Power & Environmental	Operating temp.	-20 ~ +70℃
	Storage temp.	-30 ~ +80℃
	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 30W
	EMC	CE/FCC Class A

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Dimension

DIMENSIONAL DRAWING:TPC-PRS104A/W

DIMENSIONS IN MILLIMETERS

DATE:2021.12.16
REV:A Unit:mm

Ordering info.

Part no.	Description
TPC-PRS104A1	10.4", 1024 * 768, Intel J3455, Quad-core 1.5Ghz, Resistive touch, 2*GLAN, 6*USB, 6*COM, 2*HDMI, DC 12V, PSU
TPC-PRS104A1W	10.4", 1024 * 768, Intel J3455, Quad-core 1.5Ghz, Resistive touch, 2*GLAN, 6*USB, 6*COM, 2*HDMI, DC 9~36V, No PSU by default
Memory	SO-DIMM, DDR3L, 4GB/8GB Memory
Storage	M.2 SSD: 128GB/256GB/512GB
	2.5" SATA SSD: 128GB/256GB/512GB
	2.5" HDD: 2TB/4TB
Wireless modules	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)
Power supply	PSU for TPC-PRS104A1W (If needed)
SIM Card module	SIM Card slot for 3G/4G/5G Wireless function
Bracket	Additional VESA bracket for VESA mounting

Packing List

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

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