

TPC-PCS190E1

**19.0" SXGA Industrial Panel PC with Intel J6412;
Front IP66 rated; 2 GbE, 8 USB, 2 HDMI, 6 COM;
Pcap. Touch; DC 12V; 1 M.2 & 1 Mini-PCIe slots.**

Version: 3.2



Features:

- Modular & Fanless designed, aluminum-magnesium alloy;
- Intel Elkhart Lake J6412, Quad-core 2.0Ghz;
- 19.0" TFT LCD Display, LED Backlit, SXGA 1280*1024;
- Multi up to 10 points Pcap. touchscreen, EETI controller;
- DC 12V Power input, optional wide DC 9~36V input;
- I/O interfaces: 2 GbE, 3 USB3.0, 5 USB2.0, 6 COM, 2 HDMI;
- Intel PTTTPM2.0, Support Windows 11 OS;
- Panel mount, VESA 75/100 mount, Front IP66 rated protection;
- Optional 1 M.2 and 1 Mini-PCIe expansion slots.

Specification



Hardware & System	BIOS	SPI AMI EEI BIOS
	CPU	Intel Elkhart Lake J6412, Quad-core 2.0Ghz, burst to 2.6Ghz, TDP=10W
	Graphic	Intel UHD Graphic for 10 th Gen. Intel processors
	Memory	SO-DIMM, Support DDR4 2666/2933/3200 Mhz, Max. up to 32GB
	Storage	1* M.2 2280 M-Key (PCIe x2 Gen III, NVMe) SSD, optional 1* 2.5" SATA SSD
	Network	1* Intel i225 & 1* Intel i210AT GbE network chips (Optional wireless 3G/4G/LTE, Wi-Fi/BT, 5G/Wi-Fi 6)
	Audio	On-board Realtek ACL 897 Audio controller
	Expansion	1* M.2 B-Key 3052 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	COM1/2/3/4/5:RS232; COM6:RS485(Optional RS232)
	Audio	Line-out (Optional)
	USB	3* USB3.0, 5*USB2.0
	Display	2* HDMI (Max. support 4096 * 2160 @30Hz)
	Power	1* 2 Pins, Phenix Terminal
LCD Display	Size/Type	19.0" TFT LCD Display
	Resolution	1280 * 1024 (SXGA)
	Brightness	250 nits
	Backlit & Lifetime	LED Backlit & 30K hours
	Display Area	376.32* 301.06 (mm)
	View Angle	85/85/80/80
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	422.3 * 353.0 * 84.0 (mm)
	Cut-out Dimension	411 * 342 (mm)
	Net Weight	6.2 KG
	Mount Method	Panel mount, VESA 75/100 Mount
Power & Environmental	Operating temp.	0 ~ + 50 (°C)
	Storage temp.	-20 ~ + 60 (°C)

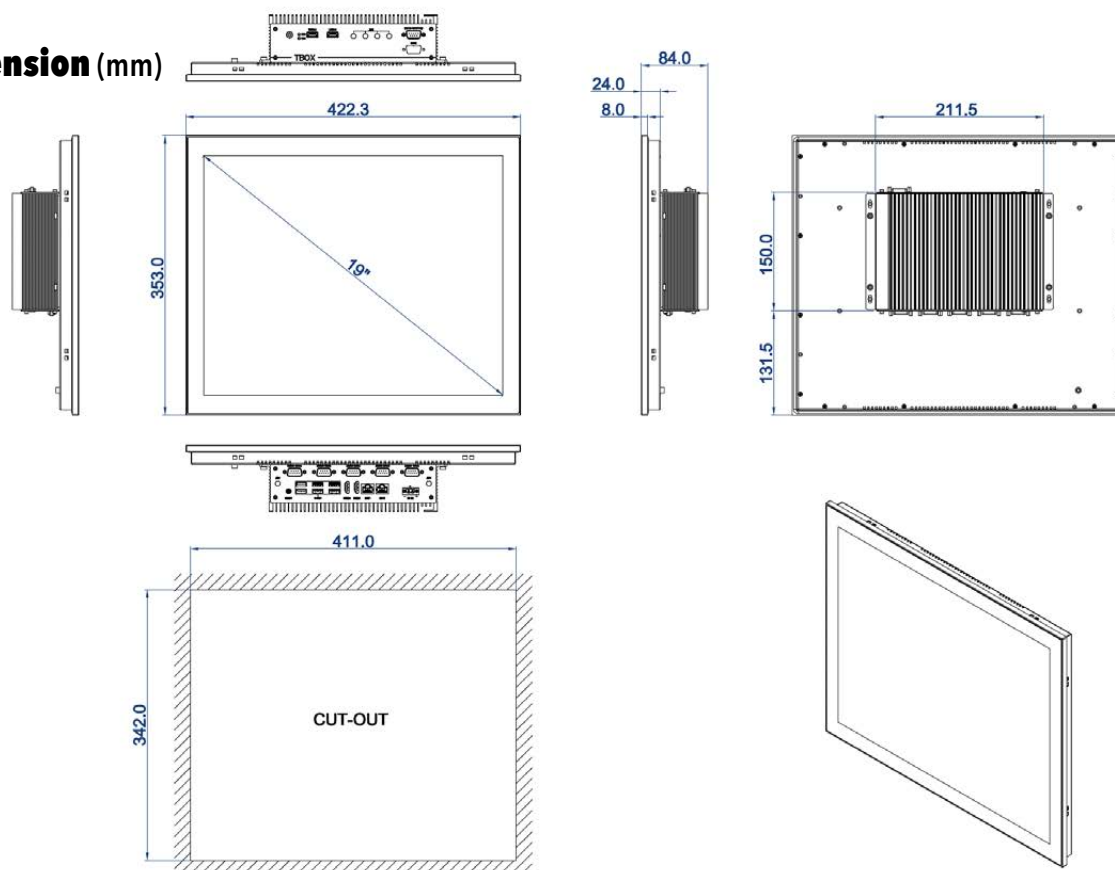


Last update: 2nd April 2026

Humidity	10 ~ 95% @ 10C (No condensation)
Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
Shock	10G/Peak (11 ms)
Power input	DC 12V (Optional wide voltage DC 9~36V)
Power consumption	About 35W
Certificate	CE/FCC/ROHS

DIMENSIONAL DRAWING:TPC-PCS190E/T

Dimension (mm)



DIMENSIONS IN MILLIMETERS

TAICEM
DATE:2022.07.28
REV:A Unit:mm

Ordering information

Part no.	Description
TPC-PCS190E1	19.0" LCD, SXGA 1280 *1024, Intel J6412, Quad-core 2.0Ghz, Pcap. Touch, 2 GbE, 3 USB3.0, 5 USB2.0, 2 HDMI, 6 COM, DC 12V, PSU
TPC-PCS190E1W	19.0" LCD, SXGA 1280 *1024, Intel J6412, Quad-core 2.0Ghz, Pcap. Touch, 2 GbE, 3 USB3.0, 5 USB2.0, 2 HDMI, 6 COM, DC 9~36V, No PSU by default
Optional Accessories	DescriptionPacking List
Memory	SO-DIMM, DDR4, <u>4GB/8GB/16GB/32GB</u> Standard TPC-PCS190E1 Panel PC Product1 set
Storage	M.2 SSD: <u>128GB/256GB/512GB</u> PSU (Power Supply)1 set
	2.5" SATA SSD/HDDPower cable & Plug1 set
Wireless	Wi-Fi Module, with AntennaPanel mount clips (Metal)1 set (8 pieces)
	Wi-Fi Module with BT Integrated, With Antenna
	All Network 4G module, with Antenna
	5G Network module, with Antenna
Power Supply	PSU for TPC-PCS190E1W (If needed)
SIM Card holder	SIM Card holder for 3G/4G/5G wireless function