

## TPC190-WT02

Adopt a higher standard LCD screen and a high-precision touch screen. The fuselage is made of aluminum alloy structure. The fully enclosed fanless design scheme is specially designed for complex medical environment, which can ensure long-term stable operation under complex medical conditions; All products have obtained medical test reports such as EMI, ESD, safety regulations, pulse group, emission radiation, etc.

### Features

- Industrial-grade protection, adapt to a variety of harsh environments.
- Self-developed X86 architecture motherboard, the appearance of independent open mold.
- Upgrade anti-interference internal layout, ESD up to:  $\pm 8KV \sim \pm 15KV$ .
- Anti-vibration and anti-radiation layout structure design.
- Obtained the medical industry test report EN 60601-1-2:2015



### Product Model

Product Size	19"
Non-touch	TPC190-WT02
Capacitive touch	TPC190-WT12
Resistive touch	TPC190-WT22

### Product Interface



### Product Specifications

#### Screen Parameters

LCD size	19" TFT LCD
Resolution	1280*1024
Viewing angle	85/85/80/80 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m <sup>2</sup>
Contrast ratio	1000:1

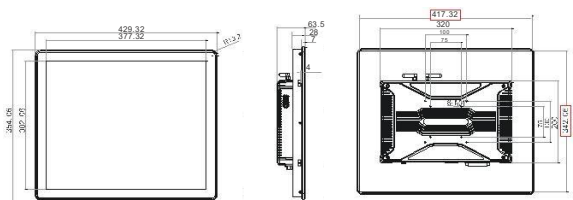
#### Touch Parameters

Touch type	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Transmittance	≥88%	≥78%	≥92%
Input mode	Handwriting or Capacitance pen	Fingertip or stylus	/
Controller communication	USB	USB	/

#### Hardware Configuration

CPU	Intel Celeron J1900 quad-core 1.99GHz (Maximum 2.4GHz); Upgradeable to I3/I5/I7	Broad pressure	Support 12V-36V wide voltage
Memory	4G DDR3 1333/1600M (Optional 8G)	WiFi	2.4GHz/5GHz, Dual frequency WiFi
Storage	64G SSD (Optional :128/256/512G)	Bluetooth	BT4.0 (Optional)
Integrated graphics	Intel HD Graphics		
Operating system	Windows 7 Professional/Ultimate, Windows 10 Professional/Enterprise/Home, Ubuntu 16.04.7/Ubuntu 18.04.5/Ubuntu 18.04.6/Ubuntu 20.04.1/Centos 7.4/7.6/7.8/Redhat 7.4/Debian 7.0		

### Product Size



#### Physical Characteristics

Overall dimensions	W429.32x H354.06x D63.5mm
Size of opening	W419.32x H344.06mm

#### Interface Parameters

Power interface1	1*Industrial terminal, Support wide voltage 12V-36V power supply
Power interface2	1*DC2.5, Support wide voltage 12V-36V power supply
USB	2*USB 2.0, 2*USB 3.0
LAN	1*LAN, 10M/100M/1000M adaptive Ethernet
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
VGA	1*VGA
Audio interface	1* Audio output, support audio output
WiFi antenna	2*WiFi antenna
Grounding column	Support (1*GND)

#### Product Reliability Parameters

Working temperature	-20°C~70°C
Storage temperature	-30°C~80°C
Relative humidity	Humidity: 95% Non-Condensing
ESD	Contact $\pm 8KV$ , air $\pm 15KV$
Vibration protection	IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, Half sine wave, Lasting for 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level

#### Power Parameters

Power input	DC 12V~36V
Static power	18W