

## TPC190-AT

Adopt a higher standard LCD screen and a high-precision touch screen. The fuselage is made of aluminum alloy-structure. The fully enclosed fan less 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

- Self-developed industrial motherboard with multiple touch modes
- Anti-vibration, anti-radiation, anti-static layout structure design
- Upgraded anti-interference internal layout, ESD up to:  $\pm 8KV \sim \pm 15KV$
- Industrial-grade protection, adapt to a variety of harsh environments.
- CE marking for the medical industry
- Supports Embedded, Wall-mounted, Desktop, VESA mount etc.



### Product Model

Product Size	19"
Non-touch	TPC190-AT02
Capacitive touch	TPC190-AT12
Resistive touch	TPC190-AT22

### Product Interface



### Product Specifications

#### Screen Parameters

Display Type	19" TFT LCD
MAX.Resolution	1280*1024 (5:4)
Viewing Angle(H/V)	85/85/80/80 (L/R/U/D)
Luminance (cd/m <sup>2</sup> )	300 cd/m <sup>2</sup>
Contrast Ratio	1000:1

#### Touch Parameters

Touchscreen	10-point projected capacitive touch screen	Single-point Resistance touch screen	Non-touch
Light Transmission	≥88%	≥78%	≥92%
Controller	USB	USB	/

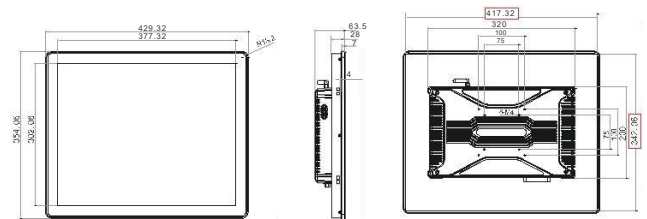
#### Power Parameters

Power input	DC 12V-36V
Power adapter	24V/2.5A

#### Hardware Configuration

CPU	RK3288,Cortex-A17 Quad-Core,1.8GHz	Wi-Fi	2.4GHz/5GHz, Dual frequency Wi-Fi
Memory	2GB DDR3 (Optional: 4GB, Supports up to 4GB)	Bluetooth	BT4.0 (Optional)
Storage	16GB eMMC (Optional: 32GB/64GB/128GB/256GB, Support up to 256GB)	Watchdog Timer	Support
GPU	Mali-T760 MP4	SupportWatchdogTimer	Support
OS	Android 7.1/10.0/12, Linux4.4/Ubuntu18.04/20.04/Debian10.0/Linux4.4+QT	Timer Switch	Support

### Product Size



#### Physical Characteristics

Overall dimensions	W429.32x H354.06x D63.5mm
Size of opening	W419.32x H344.06mm
Material	Aluminum alloy
Color	Medical white, optional black
Installation	Supports embedded, wall mounted, desktop, folding mounting, etc

#### Interface Parameters

PowerSW	1*PowerSW
Power supply	1*Threaded DC interface (5.5*2.1mm)
Phoenix Terminal	1*12P Phoenix terminal (Power supply+RS232*2+RS485*1+GPIO*4)
USB port	2*USB (1*USB, 1*OTG)
Ethernet	1*LAN,10M/100M/1000M Adaptive Ethernet
TF	1*TF card standard interface
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
Audio	1*Audio I/O, Support audio input and output
Speaker	2*(8Ω5W)
Reset button	1*UBOOT
Wi-Fi antenna	1*Wi-Fi antenna
Grounding	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 $\pm 15KV$