

TPC080-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	8"
Non-touch	TPC080-WT02
Capacitive touch	TPC080-WT12
Resistive touch	TPC080-WT22

Product Interface



Product Specifications

Screen Parameters

LCD size	8" TFT LCD		
Resolution	1024*768		
Viewing angle	85/85/85/85 (L/R/U/D)		
Colour	16.7M		
Brightness	300 cd/m ²		
Contrast ratio	800:1		

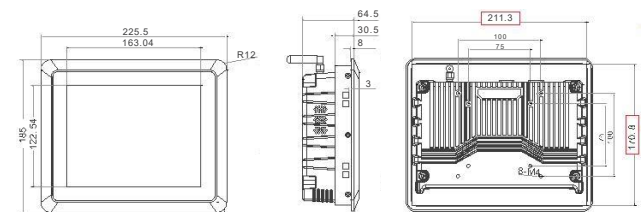
Touch Parameters

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		
Memory	4G DDR3 1333/1600M (Optional 8G)		
Storage	64G SSD (Optional :128/256/512G)		
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/Centos7.4/7.6/7.8/Redhat7.4/Debian7.0		
Broad pressure	Support 12V-36V wide voltage		
WiFi	2.4GHz/5GHz, Dual frequency WiFi		
Bluetooth	BT4.0 (Optional)		

Product Size



Physical Characteristics

Overall dimensions	W225.5x H185x D64.5mm
Size of opening	W213.3x H172.8mm

Interface Parameters

Power interface	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 ±8KV, air ±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