

# TPC120-MT

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

- 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.
- Obtained medical industry test report EN 60601-1-2:2015
- Supports desktop, wall, cantilever, boom and recessed mounting



## Product Model

Product Size	12"
Non-touch	TPC120-MT02
Capacitive touch	TPC120-MT12
Resistive touch	TPC120-MT22

## Product Interface



## Product Specifications

### Screen Parameters

LCD size	12" TFT LCD
Resolution	1024*768 ( Aspect Ratio 4:3 )
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	500 cd/m <sup>2</sup>
Contrast ratio	1000:1

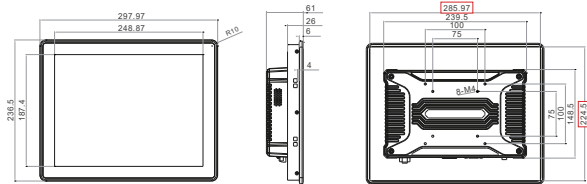
### Touch Parameters

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	RTD2513	System language	Multilingual (default: English)
Key function	AUTO/MENU/POWER/LEFT/RIGHT	Video input	PC-RGB:Format Up to 1920*1080@60HZ Color 16bit/24bit/32bit

## Product Size



### Physical Characteristics

Overall dimensions	W297.97x H236.5x D61mm
Size of opening	W287.97x H226.5mm

### Interface Parameters

Grounding column	Support (1*GND)
Power interface1	1*Industrial terminals, Support 12V-36V wide voltage power supply
Power interface2	1*DC2.1, Support 12V-36V wide voltage power supply
HDMI	1 * HDMI, supports HDMI data input, and supports 1080P at most
Touch interface	1*TOUCH (RJ45)
VGA	1*VGA, Analog signal transmission
DVI	1*DVI, Digital signal transmission
Audio interface	1*Audio I/O, Support audio input and output

### 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