TPC101-M20

Medical vehicle series products are intelligent terminal series devices specially developed for complex medical environments. This series of products are made of aluminum alloy. The front panel is IP65 waterproof, the back cover is dust-proof and the interface is waterproof. They are compact and durable. Capacitive touch screen, with the function of display key panel, makes the operation more intuitive; The shockproof structure layout inside the fuselage is specially designed for the requirements of anti vibration, anti-interference, anti-static, radiation protection, waterproof and dust-proof of medical mobile carts. It is compatible with 99% medical industry software and can meet various needs of medical mobile carts.

Features

- Specially built for medical mobile equipment
- Self-developed display driver board, independent mold
- Industrial protection, adapting to various harsh environments
- Upgrade anti-interference internal layout, ESD up to: ± 8KV~± 15KV
- Anti-vibration, anti-interference, anti-static structure design
- Obtained medical industry test reports EN60601-1:2006, GB9706

-20~70°C	DC 12V-36V	EMI/EMC	IP65 protection	Aviation interface	7*24H operation

Product Model

Product Size	10.1"
Capacitive touch	TPC101-M2012

Product Interface

VGA USB DC12-36V

Product Specifications

Screen Parameters

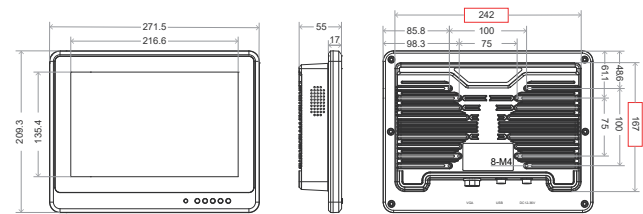| LCD size	10.1" TFT LCD
Resolution	1280*800 (Aspect Ratio 16:10)
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

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
Key functions	Volume +, Volume -, Power on/off, Menu, Chanel
Menu language	Multi language (default Chinese)
Video input	PC-RGB:Format,Up to 1920*1080@60HZ
	PC-RGB:Color,16bit, 24bit, 32bit

Product Size

Physical Characteristics

Overall dimensions	W271.5x H209.3x D55mm

Interface Parameters

DC	1 * Waterproof aviation head (GX12-3 pin), Support 12V~36V wide voltage power supply
USB	1 * Waterproof aviation head (GX12-4 pin)
VGA	1 * Waterproof aviation head (GX20-15 pin)

Product Reliability Parameters

Working temperature	-10°C~60°C
Storage temperature	-20°C~70°C
Relative humidity	Humidity: 95% Non-Condensing
ESD	Contact earth 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