TPC101-AT

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
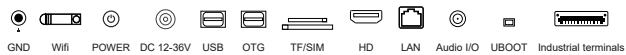
Features

- ◆ 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: ±8KV~±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

CPU	ESD:±8~15KV	EMC/EMI	IP65 waterproof	-20°C~70°C	7*24H operation
RK3288 1.8GHz					

Product Model

Product Size	10.1"
Non-touch	TPC101-AT02
Capacitive touch	TPC101-AT12
Resistive touch	TPC101-AT22

Product Interface

GND	Wifi	POWER	DC 12-36V	USB	OTG	TF/SIM	HD	LAN	Audio I/O	UBOOT	Industrial terminals

Product Specifications

Screen Parameters

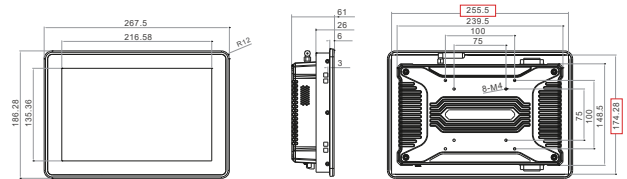|	
LCD size	10.1" TFT LCD
Resolution	1280*800 (Aspect Ratio 16:10)
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

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	RK3288, Cortex-A17 quad-core, 1.8GHz
Memory	2G DDR3 (Optional: 4G/8G)
Storage	16G eMMC (Optional: 32G/64G)
GPU	Mali-T764
Operating system	Android 7.1/10.0//12.0/Linux4.4/Ubuntu18.04/20.04/Debian10.0

Product Size

Physical Characteristics

Overall dimensions	W267.5X H186.28X D61MM
Size of opening	W257.5X H176.28MM

Interface Parameters

Power interface1	2*Industrial terminals, Support 12V-36V wide voltage power supply
Power interface2	1*DC2.1, Support 12V-36V wide voltage power supply
USB	1*USB HOST，1*USB OTG
TF	Support TF expansion card (1*TF card slot)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
Reset key	Support (1*UBOOT)

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 12-36V
Static power	18W

WiFi	Support WIFI
Bluetooth	BT5.0
RTC Real Time Clock	Support
Timed switch on/off	Support