TPC070-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, whichcan ensure long-term stable operation under complex medical conditions;All products have obtained medical testreports 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.
- CE marking for the medical industry
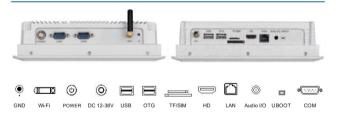- Supports Embedded, Wall-mounted, Desktop, VESA mount etc.

| RK3288 1.8GHz | ESD:±8~15KV | EMC/EMI | Front panel IP65 | -20°C~70°C | Android 7.1 |

Product Model

Product Size	7"
Non-touch	TPC070-AT02
Capacitive touch	TPC070-AT12
Resistive touch	TPC070-AT22

Product Interface

| GND | Wi-Fi | POWER | DC 12-36V | USB | OTG | TF/SIM | HD | LAN | Audio I/O | UBOOT | COM |

Product Specifications

Screen Parameters

Display Type	7" TFT LCD
MAX.Resolution	1024*600(16:9)
Viewing Angle(H/V)	75/75/70/75 (L/R/U/D)
Luminance (cd/m²)	300 cd/m²
Contrast Ratio	500:1

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
Memory	2GB DDR3 (Optional: 4GB, Supports up to 4GB)
Storage	16GB eMMC (Optional: 32GB/64GB/128GB/256GB, Support up to 256GB)
GPU	Mali-T760 MP4
OS	Android 7.1/10.0/12, Linux4.4/Ubuntu18.04/20.04/Debian10.0/Linux4.4+QT

Product Size

Physical Characteristics

Overall dimensions	W225.04x H160.7x D59mm
Size of opening	W212.84x H148.5mm
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)
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
Serial port	2*COM (RS232)
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 ±8KV, Air ±15KV
Wi-Fi	2.4GHz/5GHz, Dual frequency Wi-Fi
Bluetooth	BT4.0 (Optional)
Watchdog Timer	Support
SupportWatchdogTimer	Support
Timer Switch	Support