# ARM All-in-One Panel PC for Medical Cart

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 »

- 10.1 inch, specially made for special vehicles.
- Anti falling aviation joint design, shockproof and anti falling, dustproof and waterproof.
- Self developed motherboard, four core powerful processor.
- The optional CAN interface is more convenient to connect with the vehicle.
- Support ACC delayed startup and shutdown to effectively avoid machine burning.
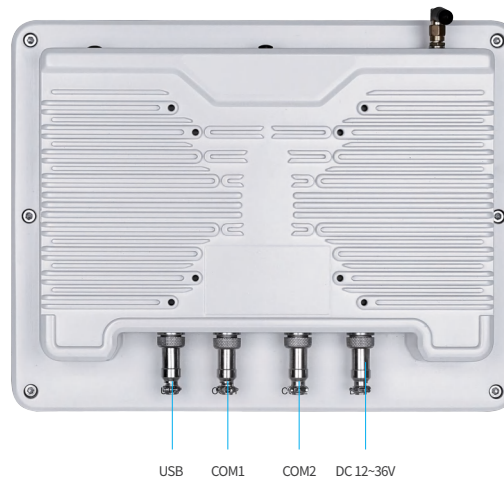- SDK package is provided to support secondary development.

| Quakeproof | Aviation joint | ESD:±8KV~±15KV | IP65 waterproof | -20-70°C | Android 7.1 |

10.1"

ISO FC CE CCC RoHS

## Product Model »

| Product size | Non-touch | Capacitive Touch | Resistive Touch | Resolution | Screen Scale | Brightness | Contrast ratio | Viewing Angle |
|---|---|---|---|---|---|---|---|---|
| 10.1" | TPC101-A2002 | TPC101-A2012 | TPC101-AV2022 | 800*1280 | 16:10 | 300cd/m² | 1000:1 | 85/85/85/85 (L/R/U/D) |

Indicator    Volume-    Volume+    ON/OFF

USB    COM1    COM2    DC 12~36V

## Product Installation »

| Vehicle-mounted ball head rotatable stands mounting | Wall mounted installation | Cantilever installation |

# Product Specifications  »

**Screen parameters**

| | |
|---|---|
| Size | 10.1" |
| Resolutionfunctions | 800*1280 |
| Display Area | 135.36(H) X216.576(V) mm |
| Pixel pitch(mm) | 0.1692(H) X 0.1692(V) |

**Hardware Configuration**

| | | | |
|---|---|---|---|
| CPU | RK3288 Quad-core, Frequency reaches 1.8GHz | WiFi | 2.4G+5G dual-band Wifi |
| Memory | 2G DDR3 (Optional 4G/8G ) | Bluetooth | BT5.0 |
| Storage | 16GB eMMC(6optional 128/256/500GB) | GPS | Support (optional) |
| GPU | Mali-T764 | Speaker | Support （8Ω3W *2) |
| Operating system | Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0 | RTC POWER BOIS | Support |

**Touch Screen**

| | |
|---|---|
| Capacitive Touch | Touch screen type: 10 point touch projection capacitive touch screen<br>Light transmittance: ≥ 88%<br>Input mode: handwriting or capacitive pen<br>Controller communication: USB |
| Resistive Touch | Touch screen type: single point resistive touch screen<br>Light transmittance: ≥ 78%<br>Input mode: Fingertip or stylus<br>Controller communication: USB |
| Non touch | Light transmittance: ≥ 92% |

**Environmental**

| | |
|---|---|
| ESD | Contact ± 8KV~air connection ± 15KV |
| Working Temperature | -20 ℃ ~ 70 ℃ |
| Storage Temperature | -30 ℃ ~ 80 ℃ |
| Relative Humidity | Humidity: 95% Non-Condensing |
| Vibration protection | IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis |
| Impact protection | IEC 60068-2-27, half sine wave, duration 11ms |
| Product certification | CCC/CE/FCC/EMC/CB/ROHS |

**Other parameters**

| | |
|---|---|
| Power input | 12V-36V power input |
| Static power | 18W |
| Fuselage Properties | Body material: aluminum alloy, body color: Medical white |
| warranty policy | Three years (one year free warranty) |
| Installation method | Support vehicle mounted ball head rotatable bracket installation, wall installation, cantilever installation, etc |

**I/O Interface**

| | |
|---|---|
| Power interface | 1*Waterproof aviation head interface (GX12-3 pin), Support 12V-36V wide voltage power supply |
| USB2.0 | 1*Waterproof aviation head interface (GX12-4 pin) |
| COM | 2*Waterproof aviation head interface (GX12-4 pin) |

# Interface Distribution  »