

TPC150-AT

Adopt a higher standard LCD screen and a high-precision touch screen. The fuselage is made of aluminum alloy-structure. The fully enclosed fan less 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.
- CE marking for the medical industry
- Supports Embedded, Wall-mounted, Desktop, VESA mount etc.



Product Model

| | |
|------------------|-------------|
| Product Size | 15" |
| Non-touch | TPC150-AT02 |
| Capacitive touch | TPC150-AT12 |
| Resistive touch | TPC150-AT22 |

Product Interface



Product Specifications

Screen Parameters

| | |
|--------------------------------|-----------------------|
| Display Type | 15" TFT LCD |
| MAX.Resolution | 1024*768 (4:3) |
| Viewing Angle(H/V) | 89/89/89/89 (L/R/U/D) |
| Luminance (cd/m ²) | 300 cd/m ² |
| Contrast Ratio | 1000:1 |

Touch Parameters

| | | | |
|--------------------|--|--------------------------------------|-----------|
| Touchscreen | 10-point projected capacitive touch screen | Single-point Resistance touch screen | Non-touch |
| Light Transmission | ≥88% | ≥78% | ≥92% |
| Controller | USB | USB | / |

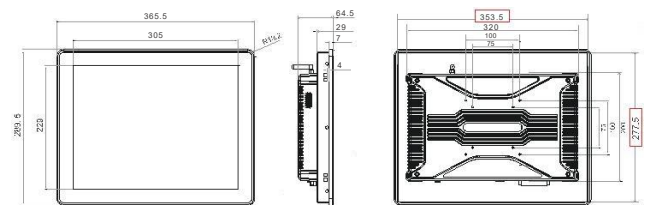
Power Parameters

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|---------------|------------|
| Power input | DC 12V-36V |
| Power adapter | 24V/2.5A |

Hardware Configuration

| | | | |
|---------|--|------------------------|-----------------------------------|
| CPU | RK3288, Cortex-A17 Quad-Core, 1.8GHz | Wi-Fi | 2.4GHz/5GHz, Dual frequency Wi-Fi |
| Memory | 2GB DDR3 (Optional: 4GB, Supports up to 4GB) | Bluetooth | BT4.0 (Optional) |
| Storage | 16GB eMMC (Optional: 32GB/64GB/128GB/256GB, Support up to 256GB) | Watchdog Timer | Support |
| GPU | Mali-T760 MP4 | Support Watchdog Timer | Support |
| OS | Android 7.1/10.0/12, Linux 4.4/Ubuntu 18.04/20.04/Debian 10.0/Linux 4.4+QT | Timer Switch | Support |

Product Size



Physical Characteristics

| | |
|--------------------|---|
| Overall dimensions | W365.5x H289.5x D64.5mm |
| Size of opening | W355.5x H279.5mm |
| Material | Aluminum alloy |
| Color | Medical white, optional black |
| Installation | Supports embedded, wall mounted, desktop, folding mounting, etc |

Interface Parameters

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|------------------|---|
| PowerSW | 1*PowerSW |
| Power supply | 1*Threaded DC interface (5.5*2.1mm) |
| Phoenix Terminal | 1*12P Phoenix terminal (Power supply+RS232*2+RS485*1+GPIO*4) |
| 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 |
| 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 $\pm 8KV$, Air $\pm 15KV$ |