

# TDD-TPC-PM190WP

## 19" **Waterproof** Panel Mount (Front Mount) PCAP Touch Panel PCs



### Overview

The TDD Touch Panel PCs include **Standard, Industrial (Open Frame Bezel-free | Rear Mount, Panel Mount, Closed Frame), Outdoor, Waterproof, Stainless Steel, Marine, Curved, Desktop POS, Commercial Displays, Medical and Custom** types, deliver a great computing solution when your application requires the PCs to be integrated into equipment. It can withstand harsh industrial environment with multiple I/O & expansion slots, rugged internal components & fanless cooling systems. Powered by Android or Intel with heavy-duty aluminum or steel enclosure, high durability & versatility for Kiosks applications from Self-service, Automated Parking, Industrial Automation, Outdoor Control, Healthcare to Gaming.

### Features

- Touch thru glass (with **Anti-mist Optical Bonding**) enabled with PCAP supports thickness up to 5mm
- Embedded design with **Rugged TFT Panel, Sturdy Aluminum Enclosure with External Connected OSD**
- **IP65 Fully Enclosed Fanless Design with M12 Metal I/O Connectors**, flexible mounting in any table, kiosk or cabinet

### Specifications

#### System

Processor	Android: RK3188/RK3288/RK3566/RK3568 Quad-core Cortex-A9/A17/A55 1.6/1.8/ 2.0GHz Windows: Intel® J1900 / J4125 Quad Core 2.0 / 2.7GHz / Intel® Core™ i3 / i5 / i7 / i9 4-13 <sup>th</sup> G
Memory(RAM)	Android: 1 / <b>2GB(std)</b> / 4 / 8 / 16GB; Windows: DDR3/4 2 / <b>4(std)</b> / 8 / 16 / 32 / 64GB
Storage	Android: 4/8/ <b>16(std)</b> /32/64GB eMMC Flash; Windows: 32/64( <b>std</b> )/128/256/512GB SSD/HDD

#### Panel

Size / Active Area (mm)	19"(4:3), 48.26cm, Active matrix TFT LCD (LED) / 377.32 mm x 302.06 mm
Resolution / Contrast	1280 x 1024 / 1000:1
Viewing Angle	Horizontal: 89° or 178° total / Vertical: 89° or 179° total
Color Depth/Brightness	16.7 million / <b>250 nits</b> (Optional: <b>500 / 1000 nits</b> )
Response Time / Freq	14 (Typ.)(Tr+Td) ms / Horizontal: 30 - 60 KHz / Vertical: 50 - 75 Hz

#### Touch

Touch Technology / OS	PCAP (Projected Capacitive) - 10 Touch Capacity (Optional: <b>Waterproof Firmware</b> )
Surface Treatment	Water, Dust & Vandal proof; <b>Optional</b> : Anti-glare, Anti-fingerprint, Anti-smudge, Anti-bacterial

#### I / O Ports

Android	USB x1 / COM x1 / LAN x1 / WIFI x1 / DC x1
Windows	USB x1 / COM x1 / LAN x1 / WIFI x1 / DC x1

#### Power

Supply / Consumption: 100-240 VAC / 12VDC +/- 5%; 17W typical, 1.5W sleep, 0.5W off

#### Mechanical

Product Dimensions: 425.1 x 353.1 x 40mm / Weight (Unpacked/Packed): 11.2 / 12.7 kg  
Box Dimensions: 500 x 160 x 420mm / VESA Mounting: 75 x 75 / 100 x 100mm

#### Environmental

Operating / Storage Temperature: **-10°C to 50°C (Opt. for -20°C to 70°)** / -20°C to 60°C

#### Accessories

Power adapter / cable, panel mount kits w/screws (opt.)

#### Others

MTBF / Warranty / Enclosure Color: 50,000 hours demonstrated / 1-year / black | silver  
Ready for Use: 24/7

\* TDD ([www.tddtouch.com](http://www.tddtouch.com), [sales@tddtouch.com](mailto:sales@tddtouch.com)) reserves the right to change specifications without prior notice.