

# TDD-PTM-PM121WP

## 12.1" **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)	12.1"(4:3), 30.73cm, Active matrix TFT LCD (LED) / 246 mm x 184.5 mm
Resolution / Contrast	1024 x 768 / 1000:1
Viewing Angle	Horizontal: 89° or 178° total / Vertical: 89° or 179° total
Color Depth/Brightness	16.7 million / <b>400 nits</b> (Optional: <b>500 / 1000 nits</b> )
Response Time / Freq	25 (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%; 12.2W typical, 1.5W sleep, 0.5W off

#### Mechanical

Product Dimensions: 301.2 x 239.8 x 58.5mm / Weight (Unpacked / Packed): 3.9 / 4.9 kg  
Box Dimensions: 385 x 260 x 320mm / VESA Mounting: 100 x 100mm

#### Environmental

Operating / Storage Temperature: **-20°C to 70°**

#### 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.