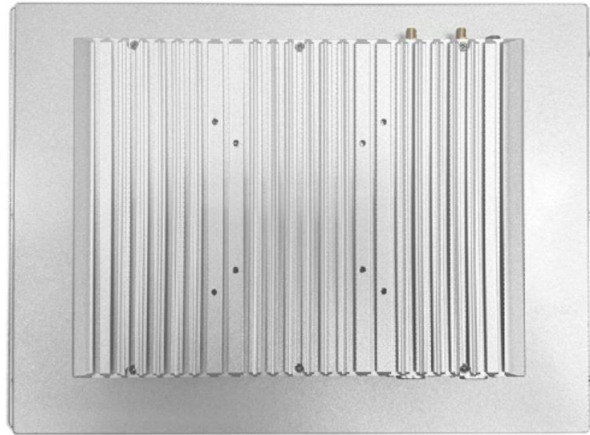


# TDD-TPC-PM190MES

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



### Overview

The **TDD MES Touch Panel PCs** are robust industrial devices designed for harsh environments. Available in 10.1 to 21.5", they featured an integrated die-casting design and a custom motherboard for low power consumption and 24/7 stable operation. These PCs support various upgradeable interfaces, including RS485/422, GPIO, and aviation power interfaces. They are equipped with NFC, high-precision QR code reader, and optional functions like fingerprint scanning and metal keypads. With explosion-proof, dustproof and waterproof (front) capabilities, along with an automatic brightness adjustment feature, they are ideal for real-time identity authentication and permission monitoring in digital factories.

### Features

- Touch thru glass enabled with PCAP supports thickness up to 5mm
- Embedded design with **Light Aluminum Frame & Steel Back**
- IP65 (front) for water and dust protection, flexible mounting in any table, kiosk, or cabinet design

### Specifications (A = Aluminum Back, S = Steel Back in following "Mechanical")

#### 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: 85° / 89° or 170° / 178° total / Vertical: 80° / 89° or 160° / 178° total
Color Depth/Brightness	16.7 million / 250 nits
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 / Windows / Android / Linux / Mac
Surface Treatment	Water, Dust & Vandal proof; <b>Optional</b> : Anti-glare, Anti-fingerprint, Anti-smudge, Anti-bacterial

#### I / O Ports

Android	USB x4 / COM x2 / HDMI x1 / LAN x1 / WIFI x1 / DC x1 / TF-CARD x1 / Audio x1
Windows	USB x4 / COM x2 / VGA x1 / HDMI x1 / LAN x1 / WIFI x1 / DC x1 / Audio x1 / Mic x1

#### Power

Supply / Consumption: 100-240 VAC / 12VDC 5A +/- 5%; 20W typical, 1.2W sleep, 0.5W off

#### Mechanical

Product Dimensions: 452.06x426.32x58(**A**)/52(**S**) mm / Weight (Unpacked/Packed): 5.5/6.5kg  
Box Dimensions: 532 x 483 x 141mm / VESA Mounting: 75 x 75 / 100 x 100mm

#### Environmental

Operating / Storage Temperature: -10°C to 50°C / -20°C to 60°C

#### Accessories

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

#### Others

MTBF / Warranty / Enclosure Color / Ready for Use: 50,000 hours / 1-year / silver / 24/7  
**Optional: HF RFID (13.56Mhz), Fingerprint, Barcode Reader, Pin Pad & Camera**

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