

# TDD-TPC-BF190

## 19" Bezel-free Open Frame PCAP Touch Panel PCs



### Overview

The **TDD** industrial Touch Panel PCs size from 7" to 55", include the bezel-free and flat bezel type with PCAP or resistive touch technology. It is a great computing solution when your application requires the PCs to be integrated into equipment. Powered by Android or Intel Core i3 / i5 / i7 and a heavy-duty aluminum or steel enclosure with high performances, it can withstand harsh industrial environment with multiple I/O & expansion slots. Built with rugged internal components, fanless cooling systems make it ideal for industrial applications from self-service kiosks, gaming, industrial automation to signage.

### Features

- Touch thru glass enabled with PCAP supports thickness up to 5mm
- Embedded design with sturdy metal or aluminum (optional for back) enclosure & fanless system
- IP65 (front) for water and dust protection; Flexible mounting in any table, kiosk, or cabinet design

### Specifications

#### System

Processor	Android: RK3188 / RK3288 Quad-core Cortex-A9 / A17 1.6 / 1.8GHz Windows: Intel® J1900 Quad Core 2.0GHz / Intel® Core™ i3 / i5 / i7
Memory(RAM)	Android: DDR3 1GB / <b>2GB (std)</b> / 4GB; Windows: <b>2GB (std)</b> / 4GB / 8GB / 16GB / 32GB
Storage	Android: 4GB/ <b>8GB(std)</b> /16GB eMMC Flash; Windows: <b>32GB (std)</b> /64GB/128GB/240GB SSD

#### Panel

Diagonal Size	19"(5:4), 48cm, Active matrix TFT LCD (LED)
Active Area (mm)	377.32 mm x 302.06 mm
Resolution / Contrast	1280 x 1024 / 1000:1
Viewing Angle	Horizontal: 89° or 178° total / Vertical: 89° or 178° total
Number of Colors	16.7 million
Brightness (typical)	Panel: 250 nits / With PCAP Touch: 215 nits
Response Time-total	14 msec typical
Input Video Frequency	Horizontal: 30 - 60 KHz / Vertical: 50 - 75 Hz

#### Touch

PCAP (Projected Capacitive) touch technology - 10 Touch Capacity  
Surface Treatment Water, Dust & Vandal proof, Anti-glare; Anti-fingerprint, Anti-smudge, Anti-bacterial (optional)

#### I / O Ports

Android	USB x2 or 4 / COM x1 or 2 / 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 +/- 5%; 25W typical, 5W sleep, 0.5W off

#### Mechanical

Sizes & Weight / Mount: 423.9mm x 348.9mm x 39.2mm / 7.5 kg unpackaged; 75 / 100mm

#### Environmental

Operating Temperature: -10°C to 60°C

#### Accessories

Power adapter / cable, HDMI / VGA / Touch USB cable, Flush Mount Brackets w/Screws

#### Others

Warranty / Enclosure Color: 1-year / black

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