

TDD-TPC-BF121

12.1" 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 / 2GB (std) / 4GB; Windows: 2GB (std) / 4GB / 8GB / 16GB / 32GB
Storage	Android: 4GB/ 8GB(std) /16GB eMMC Flash; Windows: 32GB (std) /64GB/128GB/240GB SSD

Panel

Diagonal Size	12.1"(4:3), 30.73cm, Active matrix TFT LCD (LED)
Active Area (mm)	246 mm x 184.5 mm
Resolution / Contrast	800 x 600 / 700:1
Viewing Angle	Horizontal: 85° or 170° total / Vertical: 85° or 170° total
Number of Colors	16.7 million
Brightness (typical)	Panel: 300 nits / With PCAP Touch: 265 nits
Response Time-total	25 msec typical
Input Video Frequency	Horizontal: 30 - 60 KHz / Vertical: 50 - 75 Hz

Touch

Surface Treatment	PCAP (Projected Capacitive) touch technology - 10 Touch Capacity Water, Dust & Vandal proof, Anti-glare; Anti-fingerprint, Anti-smudge, Anti-bacterial (optional)
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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%; 18W typical, 5W sleep, 0.5W off

Mechanical

Sizes & Weight / Mount: 299.5mm x 230.5mm x 46mm / 1.5 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, sales@tddtouch.com) reserves the right to change specifications without prior notice.