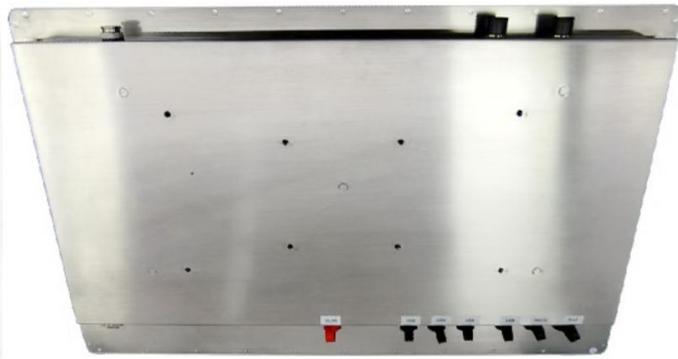# TDD-TPC-CF190WPS
19'' ==Waterproof== **Stainless Steel** Closed Frame PCAP Touch Panel PCs

TDD

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 & Easy to Clean Anti-Corrosion 304 Sturdy Stainless Steel Enclosure**==
● ==**IP67 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 4-13thG
Memory(RAM)	Android: 1 / **2GB(std)** / 4 / 8 / 16GB; Windows: DDR3/4 2 / **4(std)** / 8 / 16 / 32 / 64GB
Storage	Android: 4/8/**16(std)**/32/64GB eMMC Flash; Windows: 32/64**(std)**/128/256/512GB SSD/HDD

Panel

Size / Active Area (mm)	19"(16:9), 48.26cm, Active matrix TFT LCD (LED) / 377.3 mm x 302 mm
Resolution / Contrast	1280 x 1024 / 1000:1
Viewing Angle	Horizontal: 89° or 178° total / Vertical: 89° or 178° total
Color Depth/Brightness	16.7 million / ==1000 nits==(**Optional: 350 / 500 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 (**Optional: ==Waterproof Firmware==**)
Surface Treatment	Water, Dust & Vandal proof; **Optional**: Anti-glare, Anti-fingerprint, Anti-smudge, Anti-bacterial

I / O Ports

Android	USB x2 / COM x2 / LAN x1 / HDMI x1 / DC x1
Windows	USB x2 / COM x2 / LAN x1 / HDMI x1 / DC x1
Power	Supply / Consumption: 100-240 VAC / 12VDC +/- 5%; 20W typical, 1.2W sleep, 0.5W off
Mechanical (Subject to change)	Product Dimensions: 449.2 x 374.2x 53.8mm / Weight(Unpacked/Packed): 9.75 / 10.5kg Box Dimensions: 475 x 450 x 145mm / VESA Mounting: 100 x 100 / 200 x 200mm
Environmental	Operating | Storage Temperature / Humidity / IP Level: -20°C to 70°C / 10%-85% / Yes / ==**IP67**==
Accessories	Power adapter / cable, HDMI / VGA / Touch USB cable
Others	MTBF / Warranty / Enclosure Color: 50,000 hours demonstrated / 1-year / silver Ready for Use: 24/7