

TDD-OFTM-BF121C-DFHW

12.1" **Industrial** Panel Mount (Front Mount)

DP Fanless PCAP Touch Monitors



Overview

The **TDD Industrial DP Fanless** Touch Monitors include Rear Mount, Panel Mount, and Closed Frame types, designed for embedded into metal enclosures. Built with Aluminum Die Cast Housing, they provide heat dissipation and mechanical strength. Multi-signal video inputs including HDMI, Display Port, and VGA ensure system compatibility. With industrial Aviation Power Connectors and Phoenix Terminal audio outputs, these monitors deliver performance in environments for Kiosks applications from Self-service, Automated Parking, Industrial Automation, Outdoor Control, Healthcare to Gaming.

Features

- Touch thru glass enabled with PCAP supports thickness up to 5mm, with **HDMI, DP, VGA** Multi Inputs & **12~24V VDC**
- Embedded design, **Rugged High Bright&Wide Temp. TFT Panel, Solid Aluminum Frame&Die Cast Rear Housing**
- IP65 (front) for water and dust protection, flexible mounting in any table, kiosk, or cabinet design

Specifications

Panel

Diagonal Size	12.1"(4:3), 30.734cm, Active matrix TFT LCD (LED)
Active Area (mm)	246.1 x 184.6 mm
Resolution	1024 x 768
Viewing Angle	Horizontal: 85° or 170° total / Vertical: 85° or 170° total
Number of Colors	16.7 million
Brightness (typical)	500 nits
Response Time-total	30 (Typ.)(Tr+Td) ms
Contrast Ratio	1200:1
Input Video Frequency	Horizontal: 30 - 60 KHz / Vertical: 50 - 75 Hz

Touch

Touch Technology	PCAP (Projected Capacitive) - 10 Touch Capacity
Surface Treatment	Water, Dust & Vandal proof; Optional: Anti-glare, Anti-fingerprint, Anti-smudge, Anti-bacterial
Supported OS	Windows / Android / Linux / Mac

Interfaces / Connectors / Controls

Video Interfaces	VGA x1/HDMI (Type A)/DVI x1 (opt.)/Display Port x1 (opt.)/USB-B x1 for Touch; HDCP: Yes
Connectors & Controls	DC (2-pin Phoenix terminal) x1; 5 OSD buttons

Power

Supply / Consumption: 100-240 VAC / **12~24V VDC** +/- 5%; 15W typical, 1.2W sleep, 0.5W off

Mechanical

Product Dimensions: 292.6 x 231.2 x 47.1 mm / Weight (Unpacked / Packed): 3 / 3.6 kg
Box Dimensions: 420 x 360 x 160 mm / VESA Mounting: 100 x 100 mm M4 VESA

Environmental

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

Accessories

Power adapter / cable, **HDMI** / VGA / Touch USB cable, panel mount kits w/screws

Others

MTBF / Warranty / Enclosure Color: 50,000 hours demonstrated / 1-year / black | **grey**
Ready for Use: 24/7, **Cutout Dimensions: 285 x 223.6 mm**

* TDD (www.tddtouch.com, sales@tddtouch.com) reserves the right to change specifications without prior notice.