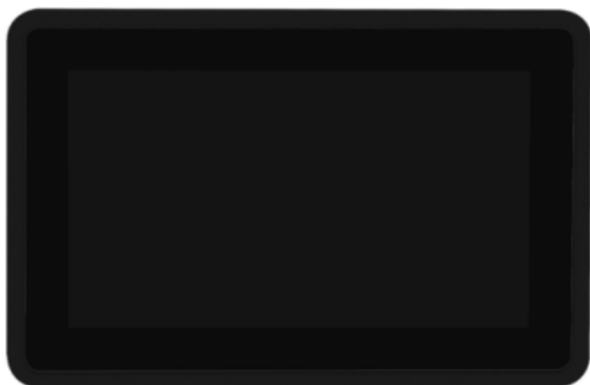


TDD-CP-SCCS70BF

7" **Bezel-free (Rear Mount)** Smart Central Control Systems



Overview

The **TDD Smart Central Control Systems** include **Open Frame** (without enclosure), **Bezel-free** (back mount) and **Panel Mount** (front mount) with metal / aluminum enclosure designs for seamless integration, deliver a great computing solution when your application requires the systems to be integrated into equipment. It can withstand harsh industrial environment with multiple I/O & expansion slots, rugged internal components & fanless cooling systems. With IP65 (front) rating for protection in enclosures, connectivity includes Ethernet, USB, and optional serial ports. Compatible with Android 7.1 - 12, Linux QT, Ubuntu & Debian, it's ideal for automation, smart system, and IoT applications require an adaptable form factor.

Features

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

Specifications

System

Processor	Android: RK3288/RK3566 A133P /RK3568 Quad-core Cortex-A17/A53/A55 1.6/1.8/ 2.0GHz
Memory(RAM)	Android: 1 / 2GB(std) / 4 / 8 / 16GB
Storage	Android: 4/8/ 16(std) /32/64GB eMMC Flash

Panel

Size / Active Area (mm)	7"(16:9), 17.78cm, Active matrix TFT LCD (LED) / 154.2144 mm x 85.92 mm
Resolution / Contrast	1024 x 600 / 600:1
Viewing Angle	Horizontal: 75° or 150° total / Vertical: 70°/70° or 140° total
Color Depth/Brightness	16.7 million / 500 nits (optional for 600 / 1000 nits)
Response Time / Freq	10 (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; Optional: Anti-glare, Anti-fingerprint, Anti-smudge, Anti-bacterial

I / O Ports

Android	USB3.0 x1 / USB2.0 x3 / USB3.0 OTG x1 / COM x2(TTL/RS232/RS485) / LAN x1 / WIFI x1 / DC x1 / TF or SIM CARD x1 / Audio x1 / GPIO x1 Optional for 4G(with GPS) / 5G / POE
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Power

Supply / Consumption: 100-240 VAC / 12VDC +/- 5%; 4.5W typical, 1.2W sleep, 0.5W off

Mechanical

Product Dimensions: 195.5 x 127.5 x 28.5mm / Weight (Unpacked / Packed): 0.71 / 0.83kg
Box Dimensions: 233 x 160 x 52mm / VESA Mounting: 75 x 75mm

Environmental

Operating / Storage Temperature: -10°C to 60°C / -20°C to 70°C

Accessories

Power adapter / cable, 4 clips (**no speaker, PoE module & expansion board**)

Others

MTBF / Warranty / Enclosure Color: 50,000 hours demonstrated / 1-year / black | silver
Ready for Use: 24/7 **Remark:** Each unit with up to 1-2 "phoenix terminal to DC round head female socket" and 1-2 debugging cables (USB plug to USB male, or Type-C to USB male)

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