

## Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- Self-developed ARM architecture industrial motherboard
- Comply with EMC anti-electromagnetic interference standard
- Industrial-grade protection, Suitable for various environments
- Provide SDK package and support secondary development



## Product Model

Product Size	15"
Non-touch	TPC156-A200
Capacitive touch	TPC156-A210
Resistive touch	TPC156-A220

## Product Interface



## Product Specifications

### Screen Parameters

LCD size	15" TFT LCD
Resolution	1280*1024 (4:3)
Viewing angle	85/85/85/85 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m <sup>2</sup>
Contrast ratio	800:1

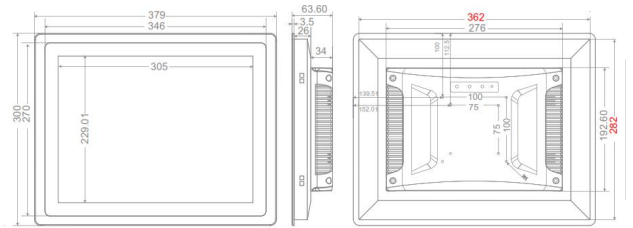
### Touch Parameters

Touch type	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Transmittance	≥88%	≥78%	≥92%
Input mode	Handwriting or Capacitance pen	Fingertip or stylus	/
Controller communication	USB	USB	/

### Hardware Configuration

CPU	RK3399 2.0 GHz, Dual-Core Cortex-A72 + Quad-Core Cortex-A53	WiFi	Dual-band 2.4G/5G
Memory	4GB DDR3 (Supports up to 4GB)	Bluetooth	Support Bluetooth 5.0
Storage	64GB eMMC (Supports up to 256GB)	Operating system	Android 7.1/9.0/11, Linux4.4/ubuntu18.04/debian10
GPU	Mali-T860 MP4	Other	Support RTC real-time clock and timing switch

## Product Size



### Physical Characteristics

Overall dimensions	W379x H300x D63.6mm
--------------------	---------------------

### Interface Parameters

Power interface	1*DC (5.5*2.1mm), Supporting 12V-36V power input
Industrial terminals	1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/TTL*1/GPIO*3)
USB	2*USB (1*USB3.0, 1*OTG)
TF	1*TF card standard interface
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
COM	1*RS232
Reset key	Support (1*UBOOT)
WiFi antenna	1*WiFi antenna
Grounding post	1*Grounding post (GND)

### Product Reliability Parameters

Working temperature	-10°C~60°C
Storage temperature	-20°C~70°C
Relative humidity	Humidity: 95% Non-Condensing
Vibration protection	IEC 60068-2-64, Random, 5~500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, Half sine wave, Lasting for 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level

### Power Parameters

Power input	DC 12V-36V
Static power	18W