

# TPC190-A5

The machine is made of aluminum alloy material, strong structure, fully closed without fan design, efficient heat dissipation, designed for a variety of complex harsh environment. Can provide SDK package and technical support, support secondary development and rapid upgrade customization, widely used in industrial control, military, communications, electric power, network and other automation fields.

## Features

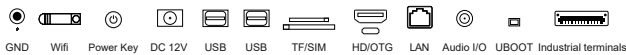
- Industrial aesthetic design, independent mold opening
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- Pure flat panel IP65 dust-proof and waterproof
- Comply with EMC anti-electromagnetic interference standard
- Provide SDK package and support secondary development



## Product Model

Product Size	19"
Non-touch	TPC190-A500
Capacitive touch	TPC190-A510
Resistive touch	TPC190-A520

## Product Interface



## Product Specifications

### Screen Parameters

LCD size	19" TFT LCD
Resolution	1280*1024 ( Aspect Ratio 5:4 )
Viewing angle	85/85/80/80 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m <sup>2</sup>
Contrast ratio	1000:1

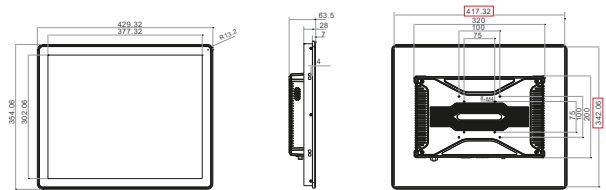
### Touch Parameters

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	A64 Cortex-A53 quad-core 64-bit CPU with 1.5GHz main frequency	Broad pressure	Supporting 12V power input
Memory	2G DDR3 (Optional: 4G/8G)	WiFi	Support WIFI
Storage	8G eMMC (Optional: 16G/32G)	Bluetooth	BT4.1
GPU	Mali400MP2	Other support	RTC real-time clock and timing switch
Operating system	Android 6.0		

## Product Size



### Physical Characteristics

Overall dimensions	W429.32X H354.06X D63.5MM
Size of opening	W419.32X H344.06MM

### Interface Parameters

Power interface1	1*Industrial terminals, Supporting 12V power input
Power interface2	1*DC2.1, Supporting 12V power input
USB	2*USB
TF	Support TF expansion card (1*TF card slot)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
OTG	Support (1*OTG)
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
Reset key	Support (1*UBOOT)
WiFi antenna	1*WiFi antenna

### 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
Static power	18W