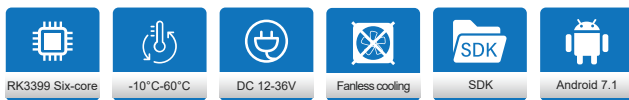# TPC150-A4

The whole machine is made of aluminum alloy flat panel, fanless and totally enclosed integrated design, and independently developed industrial motherboard. Various configuration schemes meet different application requirements. It supports desktop, wall-mounted, cantilever, cantilever and other installation modes. The whole machine has low power consumption, good scalability, practicability and EMC compatibility.

Features

- Stylish and simple appearance, Independent mold opening
- High precision die-casting aluminum molding, Efficient heat dissipation
- 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

RK3399 Six-core	-10°C-60°C	DC 12-36V	Fanless cooling	SDK	Android 7.1

ISO FC CE CCC RoHS 10

Product Model

Product Size	15"
Non-touch	TPC150-A401
Capacitive touch	TPC150-A411
Resistive touch	TPC150-A421

Product Interface

GND	WIFI	DC12-36V	USB	OTG	TF/SIM	HD	LAN	Audio I/O	UBOOT	COM

Product Specifications

Screen Parameters

LCD size	15" TFT LCD
Resolution	1024*768 (Aspect Ratio 4:3)
Viewing angle	89/89/89/89 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

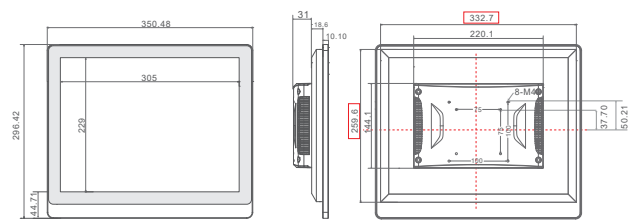### Touch Parameters

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	RK3399, Dual-core Cortex-A72 1.8GHz+Quad-core Cortex-A53 1.4GHz
Memory	4G DDR3 (Optional: 8G/16G)
Storage	32G eMMC (Optional: 64G)
GPU	Mali-T860MP4

Product Size

Physical Characteristics

Overall dimensions	W350.48x H296.42x D59.7mm
Size of opening	W334.7x H261.6mm

Interface Parameters

Power interface	1*DC2.1, Supporting 12V-36V power input
USB	1*USB HOST，1*USB OTG
TF	1*TF card standard interface
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
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)
COM	2*RS232
WiFi antenna	1*WiFi antenna
Grounding column	Support (1*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

WiFi	Support WIFI
Bluetooth	BT5.0
Operating system	Android 7.1/9.0/11/Ubuntu18.04/Debian10.0/Linux4.4+QT
Other	Support RTC real-time clock and timing switch