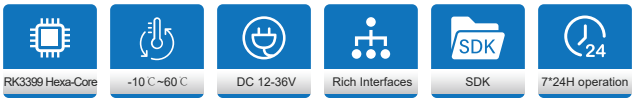
TPC101-A2

Adopting ultra-thin bezel which is more suitable for embedded installation, aluminum alloy structure, fanless and fully enclosed design, up to IP65 dustproof and waterproof, widely used in industrial control, military, power, intelligent self-service terminal equipment and other automation applications. Widely used in industrial control, military, communication, electric power, intelligent self-service terminal equipment and other automation applications.

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	10.1"
Non-touch	TPC101-A200
Capacitive touch	TPC101-A210
Resistive touch	TPC101-A220

Product Interface





Product Specifications

Screen Parameters

LCD size	10.1" TFT LCD
Resolution	800*1280 (10:16)
Viewing angle	85/85/85/85 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

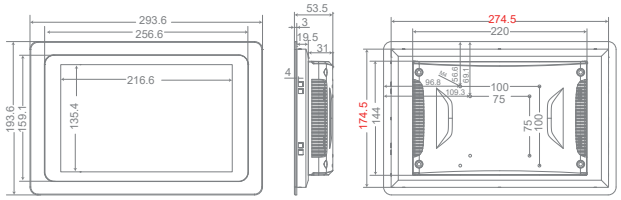
Touch Parameters

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 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	W293.6x H193.6x D53.5mm
Size of opening	W276.5 x H176.5mm

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

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