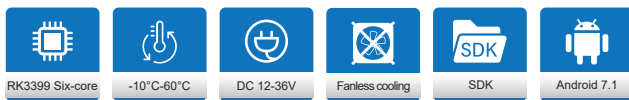


TPC120-A4

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

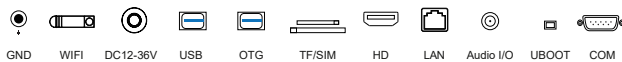
- Stylish and simple appearance, Independent mold opening
- High precision die-casting aluminum molding, Efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- Comply with EMC anti-electromagnetic interference standard
- Industrial-grade protection, Suitable for various environments
- Provide SDK package and support secondary development



Product Model

Product Size	12"
Non-touch	TPC120-A401
Capacitive touch	TPC120-A411
Resistive touch	TPC120-A421

Product Interface



Product Specifications

Screen Parameters

LCD size	12" TFT LCD
Resolution	1024*768 (Aspect Ratio 4:3)
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	500 cd/m ²
Contrast ratio	1000:1

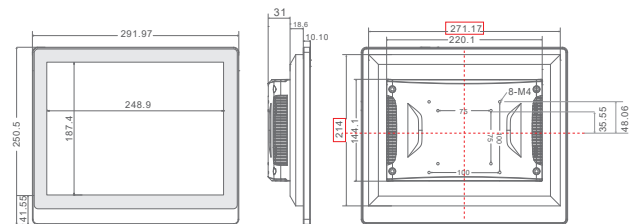
Touch Parameters

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	WiFi	Support WIFI
Memory	4G DDR3 (Optional: 8G/16G)	Bluetooth	BT5.0
Storage	32G eMMC (Optional: 64G)	Operating system	Android 7.1/9.0/11/Ubuntu18.04/Debian10.0/Linux4.4+QT
GPU	Mali-T860MP4	Other	Support RTC real-time clock and timing switch

Product Size



Physical Characteristics

Overall dimensions	W291.97x H250.5x D59.7mm
Size of opening	W273.17x H216mm

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