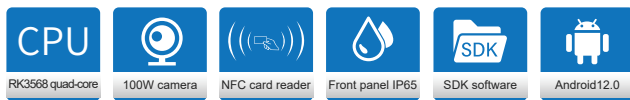


TPC156-A24

Adopting aluminium alloy flat plate, fanless fully enclosed integrated design, fashionable appearance, simple craftsmanship, self-developed ARM industrial motherboard, cost-effective, optional, built-in 100W HD camera, a 125K+13.56Mhz dual-band card reader, and wide angle barcode scanning module. Its applications span across various environments, including smart factories, canteens, campuses, conference rooms, and more.

Features

- Fashionable and simple appearance, independent open mold
- High precision die-cast aluminum molding, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard, RK3568 quad-core 64-bit 2.0GHz CPU
- Built-in 100W HD camera, 125K+13.56Mhz dual-band card reader, Wide View Barcode Scanning Module
- Provide API reference code and support SDK secondary development



Product Model

Product Size	15.6"
Non-touch	TPC156-A2401
Capacitive touch	TPC156-A2411
Resistive touch	TPC156-A2421

Product Interface



Product Specifications

Screen Parameters

LCD size	15.6" TFT LCD		
Resolution	1920*1080 (Aspect Ratio 16:9)		
Viewing angle	85/85/85/85 (L/R/U/D)		
Colour	16.7M		
Brightness	300cd/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	/

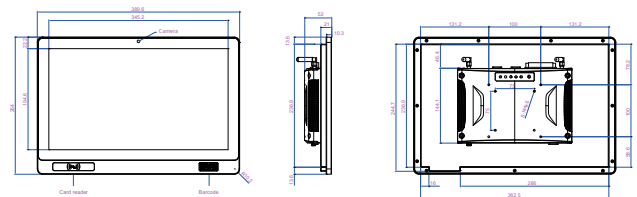
Hardware Configuration

CPU	RK3568, Quad-core 64-bit Cortex-A55 core architecture, Up to 2.0GHz	WiFi	Wifi6 Single Band, 2.4GHz
Memory	2G LPDDR4 (Optional 4G/8G)	Bluetooth	BT5.2
Storage	32G eMMC (64G/128G Optional)	Camera	100W pixels
GPU	ARM Mali-G52 2EE	Barcode scanning module	Wide view barcode scanning module
Card reader	125K+13.56Mhz dual-band card reader		
Operating system	Android 12.0, Linux5.10, Ubuntu/Debian		

Power Parameters

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



Physical Characteristics

Overall dimensions	W389.6x H264x D52mm
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Interface Parameters

Power interface 1	1*DC 2.1, Support 12V-36V wide voltage power supply
Power interface 2	1*12P Phoenix terminal (Power Supply/232*1/485*1/CAN*1/GPIO*3)
USB	2*USB 3.0
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
Power on/off	1*POWER
Grounding post	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