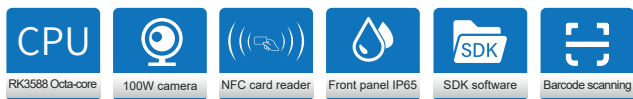


## TPC101-A24

Adopting aluminium alloy flat plate, fanless fully enclosed integrated design, fashionable appearance, simple craftsmanship, self-developed ARM industrial motherboard, cost-effective, Built-in 100W camera, 125K+13.56Mhz dual-frequency card reader and high-precision barcode recognition 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
- Independent research and development of ARM architecture industrial Motherboard RK3588 Octa-core 2.1GHz CPU
- Built-in 100W camera, 125K+13.56Mhz dual-frequency card reader and high-precision barcode recognition module
- Provide API reference code and support SDK secondary development



### Product Model

Product Size	10.1"
Non-touch	TPC101-A2401
Capacitive touch	TPC101-A2411
Resistive touch	TPC101-A2421

### Product Interface



### Product Specifications

#### Screen Parameters

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

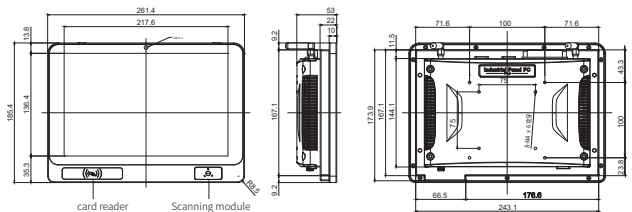
#### Hardware Configuration

CPU	RK3588 2.1 GHz, Quad-Core Cortex-A76 + Quad-Core Cortex-A55	Bar code scanning module	Support 1D/2D barcode scanning functions for easy information entry
Memory	8GB LPDDR4(Optional 4GB/16GB/32GB, Supports up to 32GB)	WiFi	Support WIFI6, Dual-band 2.4G/5G
Storage	64GB eMMC (Supports up to 256GB)	Bluetooth	BT5.0
GPU	ARM Mali G610 MP4	Camera	100W pixels
Card reader	125K+13.56Mhz dual-band card reader		
Operating system	Android 13.0, Ubuntu/Debian/Linux		

#### Power Parameters

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

### Product Size



#### Physical Characteristics

Overall dimensions	W261.4x H185.4x D53mm
--------------------	-----------------------

#### Interface Parameters

Power interface 1	1*12P Phoenix terminal (DC/RS232*1/RS485*1/CAN*1/GPIO*3)
Power interface 2	1*DC 2.1 【5.5*2.1mm】 Support 12V-36V wide voltage power supply
USB	1*USB2.0, 1*USB3.0
TF	1*TF card standard interface
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
HDMI	1*HDMI, Supporting HDMI data output,
Network interface	2*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
Reset key	Support (1*UBOOT)
COM	1 *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