

## 10.1" Industrial Touch Panel PC with Rockchip RK3588 Processor

### Overview

The APC-9100-RK3588 10.1" industrial panel computer features a full-plane capacitive multi-point touchscreen, modular design, fanless operation, and shockproof construction. It provides 4:3 and 16:9 aspect ratio options to meet different content display needs. The APC-9100-RK3588 Android panel PC adopts a low-power processor and boasts a stable system architecture, ensuring exceptional performance in industrial environments. Additionally, the entire product series is crafted with an aluminum alloy front panel and a metal body, providing excellent heat dissipation and rust resistance.

### Features

- 10.1" LED-backlit LCD with capacitive touchscreen
- Rugged aluminum enclosure and fanless design
- RK3588 quad core Cortex-A76, 2.4GHz and quad core Cortex-A55, 1.7GHz processors, NPU 6 TOPS
- 4 x USB, 2 x LAN, 1 x HDMI-OUT, 1 x HDMI-IN, 1 x COM
- Supports Wi-Fi, 4G, and 5G
- Supports VESA 75 mount and panel mount



Operating Temp.



Android



IP65



Touch Display



### I/O Interfaces



## Specifications

<b>Display</b>	
Size	10.1 inch
Touch Type	Projected capacitive multi touch
Transmittance	87%
Control Interface	USB
Surface Hardness	≥7H
Resolution	1280 x 800
Luminance	350 nits
Contrast Ratio	1000: 1
View Angles	85 (left), 85 (right), 85 (up), 85 (down)
LED Lifetime	25,000 hrs
Color	16.7M
<b>System</b>	
CPU	RK3588 quad core Cortex-A76, 2.4GHz and quad core Cortex-A55, 1.7GHz processors, NPU 6 TOPS
GPU	ARM Mali-G610 MP4
Memory	DDR4 8GB (onboard)
Storage	EMMC 64G (onboard)
<b>I/O Ports</b>	
USB	2 x USB2.0 2 x USB3.0(OTG)
COM	1 x COM
Ethernet	2 x GbE LAN
Display	HDMI-IN, HDMI-OUT
SIM Card Slot	1 x SIM slot for 4G or 5G
TF Card Slot	1 x TF Card Slot
GPIO	1 x GPIO (Optional)
Antenna	2 x SMA antenna holes
<b>Expansion Slot</b>	
M.2	1 x M.2 3042 for 4G, 1 x M.2 3052 for 5G
<b>Audio</b>	
Audio	Mic in, line out
Speaker	2Ω 5W speaker (optional)
<b>Power</b>	
Button	Yes
Remote Power On/Off	1x Remote switch connector
DC Input	12VDC
Power Connector	2-pin phoenix terminal
Power Consumption	9W
Power Adaptor	AC-DC, 12V@5A, 60W
<b>Operating System</b>	
Linux	Ubuntu
Android	Android 13
<b>Mechanical</b>	
Dimensions (W x D x H)	261.4 x 174.6 x 34 mm (12.2 x 9.7 x 2.4 inches)
Weight (N.W.)	1.8 kg (3.97 lbs)
Mounting	Panel mount, wall mount bracket VESA 75
Material	Aluminum alloy panel, all-metal chassis

Environment	
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing
Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
IP Rating	IP65 compliant (for front panel)
Certification	
EMC	CE, FCC
Packing List	
Packing	1 x APC-9100-RK3588 6 x panel mounting buckles 1 x warranty card

## Dimensions

