APC-9100-RK3588

DARVEEN

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
- 4x USB, 2x LAN, 1x HDMI-OUT, 1x HDMI-IN. 1xCOM
- Supports Wi-Fi, 4G, and 5G
- Supports VESA 75 mount and panel mount

Operating Temp.	**Android**	IP65	Touch Display	CE	FC

I/O Interfaces

DC 9 to 36V HDMI 2x LAN USB Audio
Remote switch USB SIM COM

Specifications

Display	
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
System	
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)
I/O Ports	
USB	2x USB2.0 2x USB3.0(OTG)
COM	1x COM
Ethernet	2x GbE LAN
Display	HDMI-IN, HDMI-OUT
SIM Card Slot	1x SIM slot for 4G or 5G
TF Card Slot	1x TF Card Slot
GPIO	1x GPIO (Optional)
Antenna	2x SMA antenna holes
Expansion Slot	
M.2	1x M.2 3042 for 4G, 1x M.2 3052 for 5G
Audio	
Audio	Mic in, line out
Speaker	2Ω 5W speaker (optional
Power	
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
Operating System	
Linux	Ubuntu
Android	Android 13
Mechanical	
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

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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 G²/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	1x APC-9100-RK3588 6x panel mounting buckles 1x warranty card

Dimensions