RK3566 ARM computer

APC390K

NET   POWER
SIM
IR   USB 2.0   USB 3.0

APC390K is an industrial control box with main chip RK3566, which is equipped with Rockchip 64-bit high performance and low power consumption. It has powerful video hardware decoding capabilities and multiples interfaces (supports GTOIT, RS232, IR blaster….), and supports wired and wireless (WIFI, LTE) a variety of flexible communication that can be applied to AIOT devices, commercial display, digital signage, smart home, video conferencing, smart medical...

● **Multiples display interface:**

HDMI OUT：1 * HDMI

HDMI IN：1 * HDMI

Support screen rotation, picture-in-picture and other display methods

● **Multiple function:**

Standard RS232 protocol, diversified applications；

IR blaster can be used flexibly for infrared receiving and learning

built-in WatchDog&RTC：7*24H Stable and unguarded

● **GTIOT:**

Support multiple optional wireless protocols：
Z-WAVE / ZIGBEE /
LoRa / LTE / GPS / WiFi / BT5.0

● **Multiple communication protocols:**

Built-in RJ45 interface（10/100/1000M）

IEEE 802.11 a/b/g/n/ac 2x2 MIMO

LTE (Mini PCIE interface/global standard) meets outdoor network coverage

● **Excellent capacity of radiation：**

The PCBA board is made of solid materials and meets CE/FCC certification requirements, can work continuously and stably at -20~85℃ industrial wide temperature

● **personalized customization：**

Provide SDK secondary development

MDM customization (remote device management);

APP customization.

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Product Specification

CPU	Quad-core ARM Cortex-A55 CPU @1.8GHz
GPU	Mali-G52 GPU, OpenGL ES 1.1/2.0/3.2,OpenCL 2.0 and Vulkan 1.1
NPU	supports INT8/INT16/FP16/BFP16 MAC hybrid operation
RAM	2GB (4GB/8GB optional)
ROM	8GB eMMC (8~128GB optional)
LAN	1*RJ45 10/100/1000Mbps (LED)
WiFi	IEEE 802.11 a/b/g/n/ac 2x2 MIMO (2.4G/5G)
BT	BT4.1/5.0(optional)
GTIOT	Support multiple optional wireless protocols: Z-Wave/Zgibee / LoRa /LTE/GPS/WiFi / BT5.0
LTE	Supports digital signals of various formats around the world
WatchDog & RTC	Support
I/O	1 x HDMI IN (4KP30)
	1 x HDMI OUT (4KP60)
	1 x RJ45 10/100/1000M(LED)
	1 x GTIOT (Built-in)
	1 x USB3.0
	1 x USB2.0(OTG)
	1 x 3.5mm jack (RS232 default, IR blaster optional)
	1 x Mini pcie LTE(Built-in) + 1 x Micro SIM
	1 x DC IN (Φ5.5/2.1mm)
	1 x Power key
	1 x IR reception (Built-in)
OS	Android11.0 / Linux
POWER	DC 12V/1.5A
Size(mm)	106*100*25
weight (g)	258
Certifications	CE / FCC

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