RK3399 High-performance commercial display player

APC820

APC820 is a high-performance player that supports multiple display interfaces. It is fully equipped with Rockchip RK3399 ULTRA-high performance CPU, processor up to 1.8G, has super decoding function and can decode up to 4 channels 1080P video at the same time, with HDMI 4KP30 input interface, and multiple peripheral interfaces. (supporting a variety of digital TV reception, GTOIT....), supporting a variety of wireless and wired communication methods.

Multiple video interfaces:

HDMI OUT： 1 * HDMI

HDMI IN： 1 * HDMI

Type C： 1*Type C

Support Multi-screen simultaneous display, multi-screen different display， screen rotation, picture-in-picture and other display methods

Tuner:

Support a variety of digital TV reception:

DVB-T2/T/C/S2,ATSC1.0/3.0, ISDB-T/DTMB

GTIOT:

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

Diversified functions：

RJ45 （10/100/1000M)

LTE (Mini PCIE interface/global standard) meets outdoor network coverage
RS232 protocol, diversified applications；

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

Stable performance and good heat dissipation effect：

The PCBA board is made of solid materials and meets CE/FCC certification requirements,The maximum operating temperature can reach -20~85℃.

personalized customization:
Provide SDK secondary development
MDM customization (remote device management);
APP customization.

Design for You, Manufactured by Us

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Product Specification

CPU	Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.4GHz
GPU	Mali-T860 GPU, support OpenGL ES1.1/2.0/3.0/3.1, OpenCL and DirectX 11.1
RAM	2GB (4GB optional)
ROM	16GB 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	BT4.2/5.0(optional)
GTIOT	Support multiple optional wireless protocols: Z-Wave/Zgibee / LoRa /LTE/GPS/WiFi / BT5.0
Tuner	Support a variety of digital TV reception: DVB-T2/T/C/S2,ATSC1.0/3.0, ISDB-T/DTMB
WatchDog & RTC	Support
I/O	1 x HDMI IN
	1 x HDMI OUT
	1 x Type C (Shared OTG / Video)
	1 x GTIOT (Built-in)
	1 x RJ45 10/100/1000M(LED)
	1 x IR blaster (3.5mm jack, or RS232 optional)
	1 x RS232 (3.5mm jack, or IR blaster optional)
	1 x RF
	1 x USB3.0 + 2x USB2.0 (1 x Built-in 4PIN2.0mm)
	1 x Micro SD
	1 x Mini pcie LTE(Built-in) + 1 x Micro SIM
	1 x DC IN (Φ5.5/2.1mm)
	1 x IR (Built-in)
	1 x Power_Key (Automatic power-on optional)
	2 x WIFI/BT Antenna interface
OS	Android 10.0 / Linux
Power	DC 12V/2A
Size(mm)	136*136*35(no interface)
Certifications	CE / FCC

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