

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, the highest processor frequency can reach 1.8G. The inherent super decoding pedigree can decode up to 4 ways 1080P videos at the same time, with HDMI 4K@30 input interface, and a wealth of peripheral interfaces (supports multiple standard Tuner modules), supports multiple wireless and wired communication methods.

● Multiple video interfaces:

HDMI OUT: 1 * HDMI

HDMI IN: 1 * HDMI

LVDS: 1*LVDS (Supports 10.1"~65" multi-brand size display screen)

EDP: 1*EDP (Supports 10.1"~65" multi-brand size display screen)

● Tuner:

Support a variety of digital TV reception: DVB-T2/T/C, ATSC1.0/3.0, ISDB-T/DTMB

● GTIOT:

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

● Diversified functions :

Built-in RJ45 interface (10/100/1000M)

Standard RS232 protocol, multiple applications;

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

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

● Performance good heat dissipation effect:

The motherboard uses solid materials, meets CE/FCC and other certification requirements, and the maximum operating temperature can reach -20~85°C

● personalized customization :

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

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	802.11 a/b/g/n/ac (2.4G/5G)
BT	BT4.2/5.0 (optional)
GTIOT	Support multiple optional wireless protocols: Z-WAVE / ZIGBEE / LoRa / LTE / GPS / WiFi / BT5.0
Tuner	Support a variety of digital TV reception : DVB-T2/T/C, ATSC1.0/3.0, ISDB-T/DTMB
WatchDog & RTC	Support
	1 x GTIOT (Built-in)
	1 x HDMI OUT
	1 x HDMI IN
	1 x LVDS(Built-in Back light)
	1 x EDP (Built-in)
	1 x RF
	1 x RJ45 10/100/1000M(LED)
	1 x Type C (shared OTG)
I/O	1 x USB3.0 + 3x USB2.0 (Two built-in)
	1 x Micro SD
	1 x LTE + 1 x Micro SIM
	1 x DC IN (Φ5.5/2.1mm)
	1 x IR (Built-in)
	1 x RS232 (Built-in)
	1 x SPK (MAX 2 x 8Ω10W)
	1 x Power_Key (Optional automatic power-on)
	2 x WIFI/BT Antenna interface
OS	Android 10.0 / Linux
POWER	DC 12V/2A
Size(mm)	136*136*35
Certifications	CE / FCC

