



ARIIO-8100

- Fanless design, IP30
- RK3399 processor, 2GB DDR3, 16GB eMMC
- HDMI-4K output
- 2.4GHz WiFi
- 4G LTE
- TYPE C, USB3.0, USB2.0
- Android 7.1



Embedded AI box PC

Edge AI Computing Face Recognition Machine Vision Dual Displays



Impressive Audio, Video and Image Performance

4K Resolution 360° Video Codec 20ms Latency

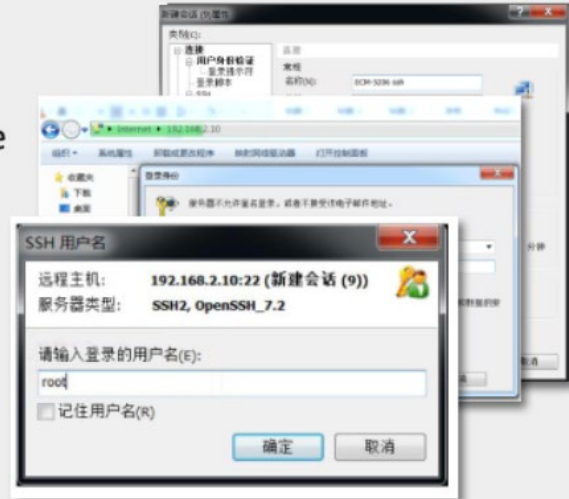
Full HD 4K



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RK3399 System with Android Operating System

- Android 7.1 system + Quad-core Cortex-A17 processor
- Rich development resources of Android and application software
- Support redevelopment

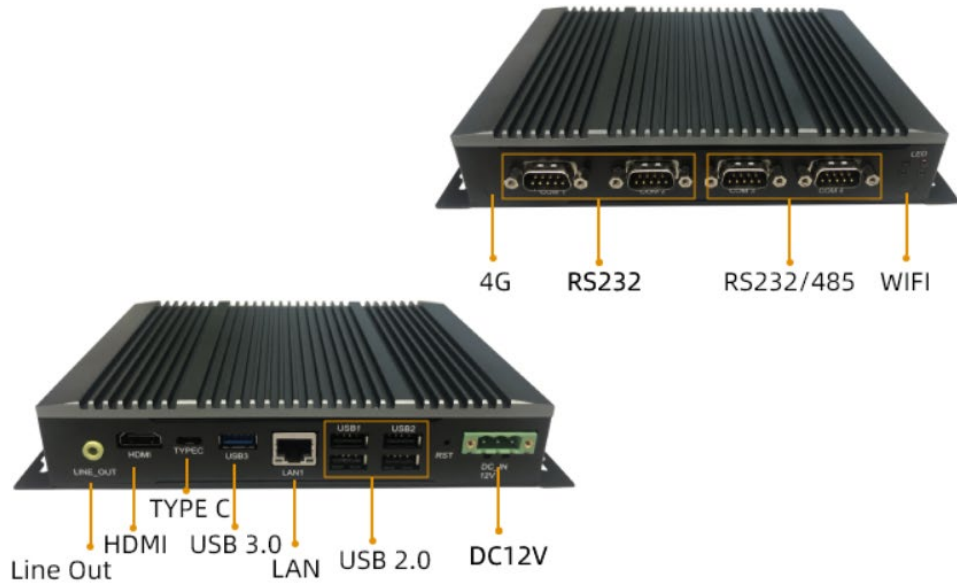


Industrial Hardware Platform, Reliable and Durable

- High quality and rugged design
- Suitable for various application field with wide operating temperature & voltage range, multiple serial ports and low consumption design
- Support diverse interfaces for different devices
- Provides watchdog timer



Product Details



Application



System	
CPU	RK3399
Memory	2GB DDR3 (Up to 4GB)
Storage	16GB eMMC 5.1 (up to 64GB)
I/O	
Reset	reset IP
LAN	1 x 10/100/1000Mbps -RJ45
Serial Ports	2 x RS232/RS485 1 x RS232/BT 1 x RS232 DB9, 2400~115200bits/s
USB	1 x USB Type C, USB 3.0, DP 4 x USB 2.0, Type A connector, 500mA 1 x USB 3.0 Type A
HDMI	1 x HDMI 4K
SIM	1.8V/3V SIM/UIM
BT	V2.1+EDR/Bluetooth 3.0/3.0+HS/4.1/BLE
Audio	3.5mm line-out
TF	1 x TF slot
Power connector	1 x 3PIN, DC 12V
LED indicator	1 x power, 1 x storage, 2 x user-defined
Consumption	
Consumption	Min : 300mA/12V, MAX : 1A/12V
Input	DC 12V
Current	Min : 300mA, MAX : 1A
Communication Consumption	4G : 1A/12V
Mechanical	
Dimensions(L*H*W)	180mm*130mm *35mm
Construction	Aluminum IP30
Operating Temperature	-20~70°C
Storage Temperature	-40~85°C
Humidity	10 to 90%

4G	
Band	FDD LTE: Band 1/3 , Band 2/4/5/13/17/25 CDMA 1XRTT/EVDO 800/1900MHz TDD-LTE、 FDD-LTE、 EVDO、 WCDMA、 TD-SCDMA、 CDMA1X、 GP RS/EDGE
Speed	FDD LTE : Cat-12(download: 600Mbps, upload: 150Mbps) ; Cat-6(download: 300Mbps, upload: 50Mbps) ; Cat-4(download: 150Mbps, upload: 50Mbps) ; TDD LTE(download: 61Mbps, upload: 18Mbps) ; CDMA2000 1X EVDO Rev A (download: 3.1Mbps, upload: 1.8Mbps) ; WCDMA(download: 42Mbps, upload: 5.76Mbps) ; TD-SCDMA(download: 4.2Mbps, upload: 2.2Mbps) ;
WIFI	
Band	2.4GHz
Protocol	802.11ac/a/b/g/n ; IEEE802.11b/g : up to 108Mbps ; IEEE802.11n : up to 300Mbps ; IEEE802.11ac : up to 780Mbps ;
Mode	AP