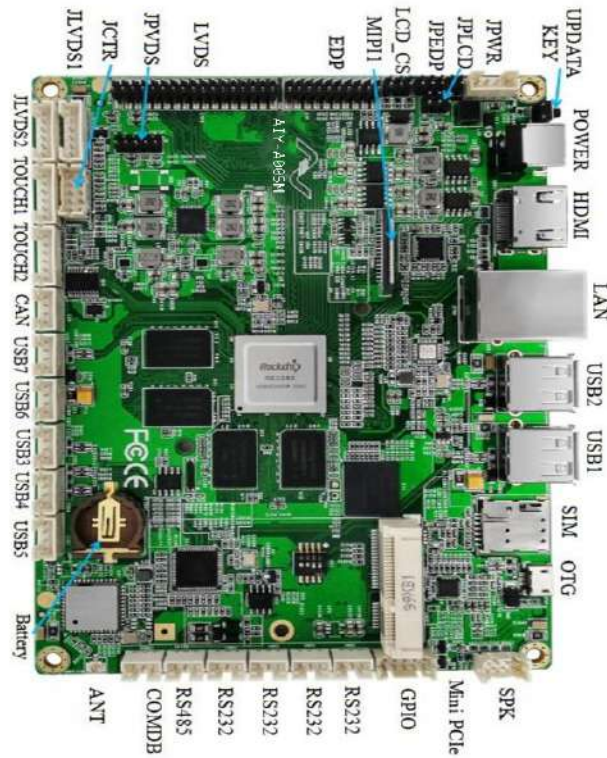


## High Performance Intelligent Mainboard

AIY-A005M Android motherboard, Use RK3288 quad-core ARM Cortex-A17 CPU, Maximum main frequency 1.6GHz. Integration ARM Mali-764GPU, Support hardware decoding, Support 4K 10bits H265/H264; 1080PVC-1, MPEG-1/2/4, VP8. Support Android 7.1, Linux System, Configure 2GB DDR3 and 8GB EMMC(Support TF card extension).

LVDS, MIPI, EDP, HDMI Display output, Support for Asynchronous Dual Display; 7\*USB Interface, 6\*GPIO, 3\*RS232 Serial port, 1\*RS232/485, 2\*I2C, 1\*CAN, 1\*OTG, To achieve full support USB external expansion devices such as touch screen/finger print module/printer/camera/RFID card reader/barcode scanner/coinager/U disk/mobile hard disk, Can meet the needs of different customers; Integrated Gigabit RJ45 network port, 2.4G/5G WiFi, support 4G modules, can adapt to a variety of network environments

The power supply voltage of the product is 9-24V DC. the working temperature of the product is -20~60°C, and the storage temperature is -30~70°C, which can work reliably in different environments.



### Features:

### Diagram:

Operation system	Android7.1, Linux
CPU	RK3288 ARM quad-core A17, Maximum main frequency 1.6 GHz, Integration Mali-T764 GPU
Memory	2G DDR3+ 8GB EMMC (16G/32G/64GOptional)
Display Interface	EDP*1(4K@30Hz), HDMI*1(1080P*120Hz or 4k@60Hz), MIPI*2(1080@60Hz), LVDS*1(Double 8bit LVDS)
Camera	MIPI
Video Format Support	WMV, AVI, FLV, RM, RMVB, MPRG, TS, PM4
Image Format Support	BMP, JPEG, PNG, GIF
Communication Interface	Gigabit Ethernet, WIFI, BT, RS232*2, RS232/RS485*1, OTG*1, USB*2, CAN*1, I2C*2, MiniPCIE 4G, SIM Card, TF Card slot, GPIO*6
Audio interface	Audio, MIC, SPK (8Ω, 5W)
Power Supply	9-24V DC IN
Power Mode	Standby mode, sleep mode
System upgrade	Support for Local USB Upgrade, OTA, OTG
OSD Language	Multilingualism
Working temperature	-20~60°C
Storage temperature	-30~70°C
Dimensions	154*02 mm