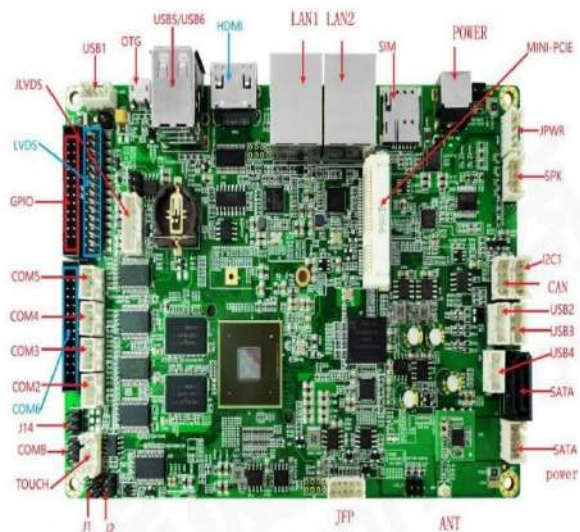


High Performance Intelligent Mainboard

AIY-A003M use MCIMX6Q ARM quad-core Cortex A9 CPU, Maximum main frequency 1.2GHZ, Support Android7.1.GPU Support 2D, 3D Graphic processing, Mainstream Audio and Video Format and Image Decoding. Integration VPU (video processor), the H.264 codec of 720 P and 1080 video can be realized easily. Supports horizontal and vertical screen display, two screens display the same or different content.

Support HDMI, RGB, LVDS Display output, 6 USB Interface, 1 OTG, Multiple GPIO and UART Interface, to achieve full support USB external expansion devices such as touch screen/fingerprint module/ printer/camera/RFID card reader/ barcode scanner/coinage/U disk/ mobile hard disk, can meet the needs of different customers; Integrated Gigabit RJ45 network port, 2.4 G/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	Android 7.1
CPU	MCIMX6Q ARM quad-core Cortex A9, Maximum main frequency 1GHz, High performance, low power consumption. Support 2D, 3D Graphic processing, H.264Coding and decoding, HDMI, LVDS Double screen display
Memory	2G DDR3L+ 8GB EMMC (support TF Card)
Display Port	HDMI(1920*1200), RGB(1366*768), LVDS(1365*768, 1920*1080)
Video Format Support	WMV, AVI, FLV, RM, RMVB, MPRG, TS, PM4
Image Format Support	BMP, JPEG, PNG, GIF
Communication Interface	Gigabit Ethernet*2, WIFI, UART*8, RS232, RS485, OTG*1, USB*2, CAN*2, SPI*2, I2C*2, MiniPCIE 4G, SIM Card, GPIO, SATA
Audio interface	Dual channel output、 MIC Audio input
Power Supply	9-24V DC IN
Power Mode	Standby mode, sleep mode
System upgrade	Support for Local USB Upgrade
OSD Language	Multilingualism
Working temperature	-20~60°C
Storage temperature	-30~70°C
Dimensions	154*02 mm