

Features:

MCU: STM32L496VGTx, Cortex-M4, 80MHz

Memory: 1MB Flash, 320KB SRAM

Micro-USB: 5V power supply

Eight Sensors:

- 3D Digital accelerometer
- Gyroscope
- Compass sensor
- Pressure sensor
- Humidity and Temperature Sensor
- IR detector and emitter
- Digital ALS and Proximity sensor

D-Camera: 640*480 , 8-bits parallel interface

Four Keys: one reset key and three for user

LED: 1RGB LED ,5 user LEDs

LCD: 1.3' TFT ,240x240 pixels

Wi-Fi :

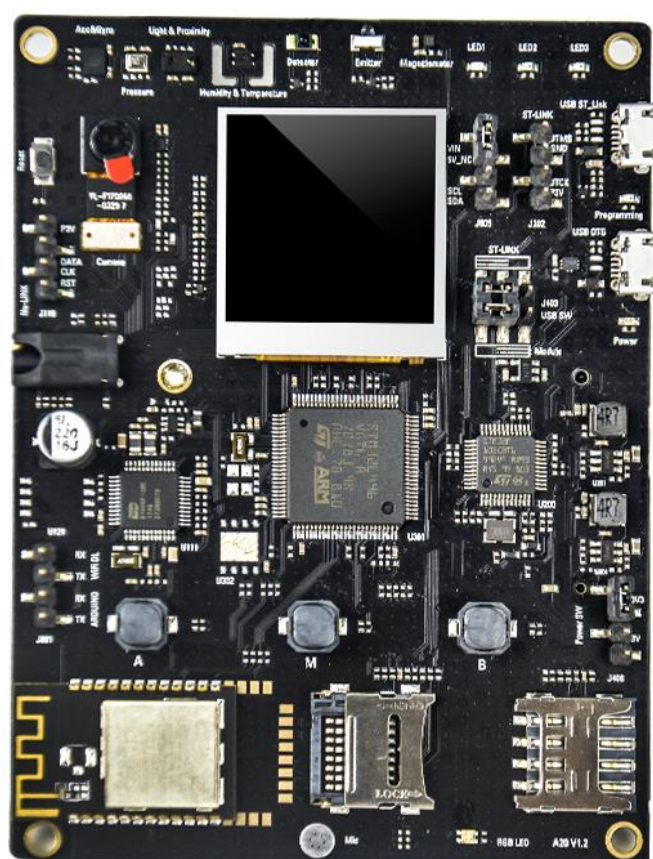
- 2.4G, 802.11 b/g/n protocol
- Support OTA upgrade
- Easy-link

OS: AliOS Things

Audio: Speech recognition resolution, Headphone and Microphone

SDMMC: support 4bits mode, Maximum support for 32G

Application: Remote control, measure, date restore, and speech recognition



Description

Developer Kit is hardware development board base on AliOS, with a variety of peripherals. Hardware is equipped with Audio Codec, eight sensors, 8-bits digital camera, LCD display, sixes LEDs, PCIe module, USB OTG FS, and Wi-Fi module.

Because the software is embedded with the AliOS system, the local data uploading to the Ali-cloud can be realized through Wi-Fi. It is convenience to the developer to learn about the development environment in combination with practical applications.