M1505
Smart module

M1505 is a low power and high performance module . It is a smart-based module with dual WIFI/BT/GPS/FM Receiver . It can fit application occasions that require android control center .

M1505 has tiny package and wide operating temperature. Its LCC package makes it easy to be soldered and produced quickly through standard SMT equipment. All of these features make it suit to industrial and domestic areas, such as home care device, automatic control device, secure system, ect.

4 Core

LCC
LCC

Temperature
-30°C to +75°C

WIFI(2.4G/5G)

BT 3.0/4.0

GPS

Android

H.264
H.264 1080P

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Main Features

- **OS :**
  Android 5.1 (64bit)
- **Processor :**
  Quad-core ARM@Cortex-A53 , 1.3GHz
- **Memory :**
  8GB eMMC+1GB LPDDR3
- **Graphics :**
  Mali-T720 MP2 @520MHz and 115Mtri/s, 1.0Gpix/s
- **Video :**
  Decode : H.264 1080P@30fps/40Mbps
  Encode : H.264 1080P@30fps
- **Audio :**
  Sampling rates : 8kHz to 192kHz
  Sampling formats : 16/24-bit, Mono/Stereo
- **Connectivity :**
  WIFI : Support 802.11 a/b/g/n
  FM : FM Receiver
  Bluetooth : BT3.0/4.0
  GPS : GPS
- **Sensor :**
  Support 12 bit tri-axis accelerometer

Specifications

- Supply voltage : 3.50 to 4.35V (4V recommended)
- Package : 135-pin LCC
- I/O voltage : 1.8 V
- 2 antenna PAD(SMD) : WIFI/BT, GPS
- Dimension : 46.0 X 35.0 X 2.80mm
- Operating temperature range : -30 to +75℃
- Storage temperature range : -40 to +85℃

Interfaces

- TF card
- USB 2.0 HS Peripheral (OTG)
- USB HUB
- IIS
- 4 UART
- 2 IIC
- SPI
- GPIO
- EINT
- Key

Features for User Peripherals

- LCM : FWXGA 1366*768 60fps
- TP : Capacitive
- Front camera : 5MP
- Rear camera : 13MP
- Audio : 3 differential MIC inputs, 1 output

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