



M1505

Smart module

M1505 is a low power and high performance module . It is a smart-based module with 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



Temperature
-30°C to +75°C



WIFI(2.4G/5G)



BT 3.0/4.0



GPS



Android



H.264 1080P

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 : 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
- Dimension : 46.0 X 35.0 X 2.80mm
- Operating temperature range : -30 to +75°C
- Storage temperature range : -40 to +85°C
- 2 antenna PAD(SMD) : WIFI/BT, GPS

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
- TP : Capacitive
- Front camera : 5MP
- Rear camera : 13MP
- Audio : 3 differential MIC inputs, 1 output

LYNO