



M1506

Smart module

M1506 is a low power and high performance smart module supporting 2G/3G. It has WIFI/BT/GPS/FM Receiver functions. It can fit application occasions that require android control center and data transfer.

M1506 has tiny package and wide work temperature. Its LCC package makes it easy be soldered and produced quickly through standard SMT equipment. All of these features make it suitable to industrial and domestic areas, such as smart measurement, wireless POS, secure system, etc.



4 核



LCC



Temperature
-30°C to +75°C



WIFI



BT 3.0/4.0



GNSS



Android



H.264 1080P



GPRS Class 12



2G/3G



Main Features

- **OS :**
Android 6.0(32bit)
- **Processor :**
Quad-core ARM@Cortex-A7 MPCore
1.3GHz/512KB L2 cache
- **Memory :**
RAM : 1GB LPDDR3
ROM : 8GB eMMC
- **Graphics :**
Mali400-MP2 500MHz
OpenGL ES 1.1/2.0 3D accelerator/ 53.25
Mtri/sec and 1000M pixel/sec@500MHz
- **Video :**
Decode: H.264 1080P@30fps
Encode: H.263/MPEG-4 1080P@30fps
- **Audio :**
Sampling rates : 8kHz to 48kHz
Sampling formats : 8/16-bit
Speech codec(FR,HR,EFR,AMR FR,AMR HR)
- **Band :**
3G : 850/900/1900 /2100 MHz
2G : 850/900/1800/1900 MHz
- **Connectivity :**
WIFI : 802.11 b/g/n
FM : FM Receiver
Bluetooth : BT 3.0/4.0
GNSS : GPS

Features for User Peripherals

- LCM : HD(1280*720),MIPI
- TP : Capacitive
- CAMERA : 8MP+5MP,MIPI
- Audio : 3 inputs, 2 outputs

Specifications

- Voltage range : 3.5-4.35V(4.0V recommended)
- Operating temperature range : -30 ~ +75°C
- Storage temperature range : -40 ~ +85°C
- Size : 41.0mmX52.0mmX2.85mm
- Package : 156-pin LCC

Interfaces

- USIM X2 (3 V / 1.8 V)
- UART X2
- IIC X3
- IIS
- GPIO
- EINT
- USB 2.0
- ADC
- SDIO
- SPI
- KEY

