



# HOPERF HPM152 Module

LTE Cat NB1 LCC Packaging

HOPERF HPM152 is a high-performance NB-IoT module with LTE Cat NB1 which support SMS. Its mainly features are low power consumption, small package and low cost. It is an ideal solution for high requirement of power consumption and volume, such as smart meters, smart parking, smart cities, safety and asset tracking, agriculture and environmental monitoring and so on.

## Key Technology:

- Support LTE Cat NB1
- Vast access and extremely low power consumption
- Support SMS
- TCP/IP Built-in protocol stack, MQTT, COAP
- e-SIM(internal)
- Industrial operating temperature level



LTE Cat NB1



-40°C~85°C



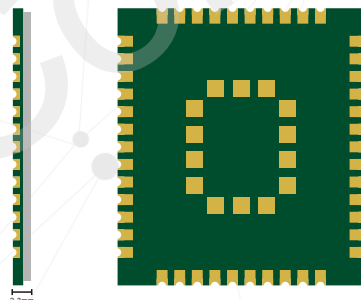
TCP/IP



Low Power Consumption



SMS



## General Features:

- Package: LCC Package (58pin)
- Size: 17.6×15.9×2.3mm
- Weight: 2g

## Environmental:

- Working Temperature: -40°C to 85°C
- Storage Temperature: -45°C to 90°C
- Humidity: 5%~95%

## Transmit Power:

- 23±2dBm

## Protocols:

- TCP/UDP/SSL/MQTT/COAP

## HPM152 Frequencies :

## Data Features:

- LTE CAT NB1: DL 34/UL 66 kbps

## Power Consumption:

- 5uA @PSM (Type)
- 2.5mA @DRX=1.28 (Type)

## Interfaces:

- 1\*Power Key
- 3\*UART
- 1\*SIM Interface
- 1\*I2C
- 1\*Reset
- 1\*ADC
- 1\*DAC
- 1\*SPI
- LED\_STATUS
- WAKEUP\_IN & WAKEUP\_OUT
- Antennas : Main

| P I D  | Frequencies                       |
|--------|-----------------------------------|
| HPM152 | LTE Cat NB1 : B1* or B3* or B5&B8 |

