

# NB-IoT Module

## ME3616

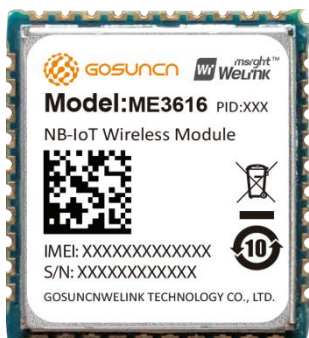
 LCC Form Factor	 NB-IoT	 CoAP/MQTT
 Ultra Low Power Consumption	 2 x UARTs	 NB-IoT: DL 34 Kbps / UL 66Kbps
 -40°C ~ 85 °C	 PSM & eDRX	 eSIM
 Embedded TCP/UDP	 Enhanced AT Commands	 Ultra low package

## M2M Application

**ME3616** is a ultra-packet NB-IoT module, The dimesions of ME3616 is 16\*18mm, it is fully compatible with 3GPP R14 standard, it can support eSIM, that means it can support mobility and lower power consumption, these three advantages make it more popular in Smart meter, Smart city, wearable devices and tracker industries.

ME3616 is designed for low-power, wide-area, massive IoT connection, multiple protocols including CoAP, TCP/UDP, MQTT, OMA-LWM2M, oneNET are embedded in it. ME3616 can support PSM and eDRX low-power working mode.





Notes: The pictures are just for reference, please in kind prevail.

## General Features

- ❑ LCC Form Factor (40 pins)
- ❑ Dimensions: 16mm × 18mm × 2.3mm
- ❑ Frequency Band : NB-IoT
- ❑ Pin to pin with MG2608-G

## ME3616 Series

PID	Band
E1A	B1,B3,B5,B8,B20,B28

## Electrical & Sensitivity

- ❑ Transmit Power:
  - NB-IoT:  $23 \pm 2.7$ dBm (Power Class 3)
- ❑ Power Supply :
  - 2.85V -- 3.6V(3.0V is recommended)

## Data Features

- ❑ NB-IoT
  - Max Uplink 66 Kbps / Downlink 34 Kbps

## Interfaces

- ❑ UART1
- ❑ UART2(For debug,2-wires)
- ❑ SIM interface (1.8/3.0V)
- ❑ eSIM(2\*2mm&5\*6mm)
- ❑ RF PAD for Primary Antenna
- ❑ Reset & Power-on
- ❑ ADC
- ❑ GPIO
- ❑ WAKEUP\_IN/WAKEUP\_OUT

## Applications

- ❑ Embedded CoAP/OMA-LWM2M/oneNET/MQTT
- ❑ TCP/UDP
- ❑ HTTP/HTTPS
- ❑ PSM&eDRX
- ❑ GOSUNCN extended AT commands

## Environmental

- ❑ Operation temperature: -30° C to +75° C
  - Extreme Operating temperature: -40° C to +85° C
- ❑ Storage temperature: -40° C to +85° C
- ❑ Humidity: 5%~95%

## Gosuncn Data Protection Notification

Dear Customer:

By continuing to use this device, you indicate that you have read and agree to the following content : In order to provide better service, Gosuncn Technology Group Co.,Ltd (Gosuncn) software requires access to your device's unique identifier(IMEI/SN), system and application versions. Gosuncn may use these data to inform you about software updates and install them and improve user experience as our legitimate interest. Note that Gosuncn will not use these data for the purposes of personally identifying you.

To understand better about our privacy policy, please read: [http://www.gosuncnwelink.com/en/privacy\\_policy/](http://www.gosuncnwelink.com/en/privacy_policy/) . And you may send an email to [privacy@gosuncn.com](mailto:privacy@gosuncn.com) to contact us.

Gosuncn Technology Group Co.,Ltd