

# MeiG SLM130-NA

## NB-IoT Module with High-performance & Low power



SLM130-NA is a high-performance NB-IoT module with extremely low power consumption.

The SLM130-NA's ultra-compact, unified form factor of 17.7mm×15.8mm×2.0mm makes it a perfect choice for a wide range of IoT applications, smart meters, positioning tracking, door magnetic monitoring and other Internet of things products, etc.

## Key Features

- ✓ LCC package, easy to be batch produced.
- ✓ Ultra-low power consumption, Ultra-high sensitivity.
- ✓ Multi-band, Embedded with abundant Internet service protocols.
- ✓ Low-voltage power supply (2.0v to 4.5v).
- ✓ Low power and power saving design.



LTE Cat NB2



TCP/IP



Low power Consumption



-40°C~85°C

# MeiG SLM130-NA

NB-IoT Module with  
High-performance & Low power

17.7mm



15.8mm

2.0mm

## Frequency Bands:

LTEFDD

B1\*/B2/B3/B4/B5/B8/B12/B13/B20/B28/B71\*

## Dimensions:

17.7mm×15.8mm×2.0mm

## Package:

44 LCC pins & 14 LGA pins

## Protocol Stacks:

TCP/UDP/MQTT/COAP/LwM2M/SSL\*

## Data Transmission:

Single Tone:

DL 25.5Kbps(Max), UL 16.7Kbps(Max)

Multi Tone:

DL 102Kbps(Max), UL 157Kbps(Max)

## Supply Voltage Range:

VBAT: 2.0V~4.5V

## Output Power\*:

23dBm ±2db

## Sensitivity:

-116.5dBm

## Power Consumption\*:

1.75µA @ PSM

0.334mA @ Idle Mode (DRX = 2.56s)

0.112mA @ Idle Mode (eDRX = 40.96s)

## Humiture Specification:

Normal operating temperature: -30°C ~ 75°C

Limited operating temperature: -40°C ~ 85°C

Storage temperature: -40°C ~ 90°C

Ambient Humidity: 5% ~ 95%

## ESD\*:

·VBAT,GND:

(Air discharge: ±8KV, Contact discharge: ±4KV)

·RF antenna interface:

(Air discharge: ±8KV, Contact discharge: ±4KV)

·Other interfaces:

(Air discharge: ±1KV, Contact discharge: ±0.5KV)

## Interfaces\*:

3 x UART

1 x USIM(3V/1.8V)

1 x ADC

1 x Netlight

1 x Antenna

1 x RI

1 x SPI\*

## AT command control

3GPP Rel-13 / Rel-14/

## Certification:

FCC\*/PTCRB\*/CE\*/CTA\*/SRRC\*/RoHS\*/

\* means under development/on-going/planning



MeiG Smart Technology Co., Ltd (Stock Code: 002881)

Tel: 0755-83218588

Fax: 0755-83219788

Web: <http://www.meigsmart.com>

Add: 32/F, Building B, Shenzhen International Innovation Center, No.1006 Shennan Avenue, Futian District, Shenzhen, China

