

MeiG SLM130-G

NB-IoT Module with High-performance & Low power



SLM130-G(CG1A) is a high-performance NB-IoT module with extremely low power consumption.

The SLM130-G(CG1A)' 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, ranging from Smart smoke sense, smart metering, bike sharing, smart parking, smart city, security, asset tracking, smart home appliances, smart wearable, agriculture and environmental monitoring, 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 (2.2v to 4.5v).
- ✓ Built-in eSIM reserved, to suit customized needs.
- ✓ Low power and power saving design.



LTE Cat NB2



TCP/IP



Low power Consumption



-40°C~85°C

MeiG SLM130-G

NB-IoT Module with
High-performance & Low power

17.7mm



15.8mm

2.0mm

Frequency Bands:

LTEFDD

B1/B3/B5/B8/B20/B28

Dimensions:

17.7mm×15.8mm×2.0mm

Package:

44 LCC pins & 14 LGA pins

Protocol Stacks:

TCP/UDP/MQTT/COAP/LwM2M/SSL

Data Transmission:

SingleTone:

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

Multi Tone:

DL 127Kbps(Max) , UL 159Kbps(Max)

Supply Voltage Range:

VBAT: 2.2V~4.5V

Output Power:

23dBm ± 2db

Sensitivity:

-117.2dBm

Power Consumption:

0.96μA @ PSM

90.70μA @ Idle Mode

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:

CCC*/SRRC*/CTA*

* means under development/on-going/planning

