MeiG-SLM130

NB-IoT Module with High-performance & Low power



SLM130 is a high-perfarmance NB-IoT module with extremely low power consumption. The SLM130' s ultra-compact, unified form factor of 15.9mm×17.6mm×2.3mm 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.
- Support CMCC OneNET,CDMA,Huawei OceanConnect and Ali Cloud in IoT Link Develop platform.
- 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℃~85℃

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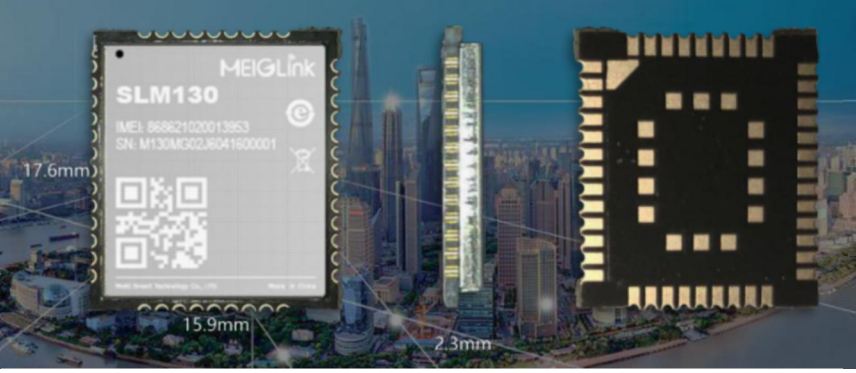

Frequency Bands:

LTE FDD B1/B2/B3/B4/B5/B8/B12/B13/B14/B17/ B18/B19/B20/B25/B28/B66/B70/B85

Dimensions:

15.9mm×17.6mm×2.3mm

Package:

44 LCC pins & 14 LGA pins

Protocol Stacks:

TCP/UDP/SSL/MQTT/COAP

Data Transmission:

Single Tone:

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:

-118dBm±1dBm

Power Consumption:

0.96μA @ PSM

90.70μA @ Idle Mode

Humiture Specification:

Normal operating temperature: -30℃ ~ +75℃

Limited operating temperature: -40℃ ~ +85℃

Storage temperature: -40℃ ~ +90℃

Ambient Humidity: 5% ~ 95%

ESD:

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

·RF antenna interface:

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

·Other interfaces:

(Air discharge: ±6KV，Contact discharge:±3KV)

Interfaces:

3 x UART

1 x USIM(3.3V/1.8V)

1 x ADC

1 x Netlight

1 x Antenma

1 x RI

1 x SPI *

AT command control

Certification:

CCC*/SRRC*/CTA*

* means under development/on-going/planning.

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