SIM7060G

NB-IoT&GNSS Module
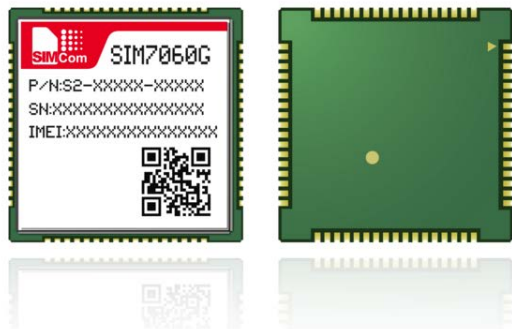
Global-Band	NB-IoT R14	LCC
LWM2M/COAP	GNSS	FOTA
TCP/UDP	PSM/eDRX	HTTP/SSL

Product Description

The SIM7060G is Multi-Band LTE-FDD NB-IoT and GNSS module solution in a SMT type .

It has strong extension capability with rich interfaces including UART, GPIO,SPI,I2C etc. The module provides much flexibility and ease of integration for customer's application.

It is designed for applications that need low latency, Low throughput data communication in a variety of radio propagation conditions. Due to the unique combination of performance, security and flexibility, this module is ideally suited for M2M applications, such as metering, asset tracking, remote monitoring , E-health etc..

Key Benefits

- With Power Save Mode(PSM) and Extended Discontinuous Reception(eDRX), SIM7060G can extend battery life to 10 years.
- SIM7060G provides deeper coverage enhancement compared to GSM.
- GNSS support:GPS&Beidou&GLONASS
- The package of SIM7060G is compatible with SIM7000x.

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General Features

Support Bands:
B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/B19/B
20/B25/B26/B28/B66/B70/B71/B85
Control Via AT Commands
Supply voltage range: NB-IoT 2.1V-3.6V
　　　　　　　　　GNSS 2.9V-4.3V
Operation temperature: -40℃ to +85℃
Dimensions: 24 X 24X 2.6mm
Weight: 3.2g

GNSS

GPS&Beidou&GLONASS

Data

Uplink: 150Kbps   Downlink:126Kbps

Other Features

TCP/UDP
HTTP/HTTPS/TLS/DTLS/DNS/NTP/PING
LWM2M/COAP/MQTT
Ayla Cloud*
Firmware update via UART
FOTA
EAT*

Interfaces

UART
SIM card
SPI
I2C
GPIO
ADC

Consumption

PSM: 3.4 uA
sleep: 0.4mA
Idle: 5.6mA
eDRX: 30uA （eDRX=655.36s）

Certifications(plan)

CE / FCC
RoHS / REACH

* In development

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