

E70G

LTE Cat 1 + GNSS Module

Support WI-FI Scan



E70G is a new generation of LTE Cat1 wireless communication module, which adopts a domestic chip scheme, ASR1605, supports maximum downlink rate 10Mbps and maximum uplink rate 5Mbps; package adopts 17.8*15.7*2.4mm smaller size, convenient customer design size requirements, rich pin definition, meet the needs of customer multimedia and OPEN development.

E70G series module support the following market: E70G-CN, E70G -EU.

E70G has rich network protocols (UDP, TCP, MQTT, SSL), and integrates multiple industrial standard interfaces, including rich peripheral expansion, greatly expand the application scope of M2M. Products can be widely used in industrial meter, shared equipment, security monitoring, financial POS, Tracker, public network POC and other products.

Access rates supported by E70G:

TD-LTE: 8Mbps/2Mbps

FDD-LTE: 10Mbps/5Mbps

Main Advantage:

- ✓ Support LTE Cat 1, and max DL rate up to 10Mbps
- ✓ Support GNSS
- ✓ Support TD-LTE & FDD-LTE
- ✓ Support WIFI Scan
- ✓ Support FOTA remote upgrade(optional)
- ✓ Rich multimedia interfaces to meet the needs of intelligent scenes



LGA



Cat1
Max 10Mbps(DL)
Max 5Mbps(UL)



USB2.0



Dual SIM
(optional)



WIFI Scan



TCP/UDP

E70G

LTE Cat 1 Module

Support WIFI Scan

17.8mm



15.7mm

2.4mm

General Feature

- Package
LGA 109pin
- Size: 17.8×15.7×2.4 mm

Frequency Band

E70G-CN (China/India)

LTE FDD: B1/B3/B5/B8

TD-LTE: B38/B39/B40/B41

E70G-EU(Europe)

LTE FDD: B1/B3/B5/B7/B8/B20/B28

GNSS

GPS L1 C/A: 1575.42 MHz

GLONASS L1: 1602.5625 MHz

BeiDou B1: 1561.098 MHz

Galileo E1: 1575.42MHz

Module Rate

LTE FDD (Non-CA CAT 1): Max
10Mbps(DL)/5Mbps(UL)

LTE TDD (Non-CA CAT 1): Max
8Mbps(DL)/2Mbps(UL)

Transmission Power

Class 3 for LTE TDD:

23±2.7dBm

Class 3 for LTE FDD:

23±2.7dBm

Protocol

TCP, UDP, MQTT, SSL

Option: FTP/FTPS, HTTP/HTTPS,
LWM2M, Coap

Driver & Tool

- Driver Window, Linux 2.6,
Android 4.0
- Tool One-click upgrade tool
- FOTA upgrade

Certification

CCC*/SRRC*/CTA*

* means in development

Module Interface

- 1xUSB 2.0
- 3xUART
- 3xI2C
- 1xPCM
- 2xSPI
- 2xADC
- 1xMIC
- 1xEAR
- WAKEUP-IN
- Fly Mode
- Power on/off, Reset
- SIM x 2 (1.8/3.0V)
- Antenna interface: Main
antenna, GNSS antenna(option)

Electrical Feature

- 10uA@power-off
- 4uA@PSM
- 2mA@sleep
- Power supply voltage:
3.5V~4.35V

Temperature and Humidity

Work temperature: -30°C ~ 75°C

Storage temperature: -40°C ~ 85°C

Humidity: 5%~95%