

E70N

LTE Cat 1 Module

Support WIFI Scan



E70N is a new generation of LTE Cat1 wireless communication module, which adopts a domestic chip scheme, ASR1606, supports maximum downlink rate 10Mbps and maximum uplink rate 5Mbps; package adopts 17.7*15.8*2.4mm smaller size, convenient customer design size requirements, rich pin definition, meet the needs of customer multimedia and OPEN development.

E70N series module support the following market: E70N-CN, E70N -EU.

E70N 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 E70N:

TD-LTE: 8Mbps/2Mbps

FDD-LTE: 10Mbps/5Mbps

Main Advantage:

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



LGA



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



USB2.0



Dual SIM
(optional)



WIFI Scan



TCP/UDP

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General Feature

- Package☒
LGA 109pin
- Size: 17.7×15.8×2.4 mm

Frequency Band

E70N-CN (China/India) 滹

LTE FDD: B1/B3/B5/B8

TD-LTE: B38/B39/B40/B41

E70N-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 developmen

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℃ ~ 75℃

Storage temperature: -40℃ ~ 85℃

Humidity: 5%~95%