SLM332U

LTE Cat 1 Module

Support GNSS & WIFI Scan

SLM332U is a new generation of LTE Cat1 wireless communication module, which adopts a domestic chip scheme, 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.

SLM332U series module support the following market: SLM332U-C.

SLM332U has rich network protocols (IPv4, IPv6, UDP, TCP, DTLS, TLS, MQTT, HTTP(S), RNDIS, PPP), 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.
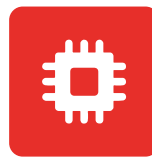
Access rates supported by SLM332U:
TDD-LTE: 8Mbps/2Mbps
FDD-LTE: 10Mbps/5Mbps

Main Advantage:

✓ Support LTE Cat 1, and max DL rate up to 10Mbps

✓ Support TDD-LTE & FDD-LTE

✓ Support WIFI Scan

✓ Support FOTA remote upgrade(optional)

✓ Rich multimedia interface to meet the needs
   of intelligent scenes

✓ High cost performance

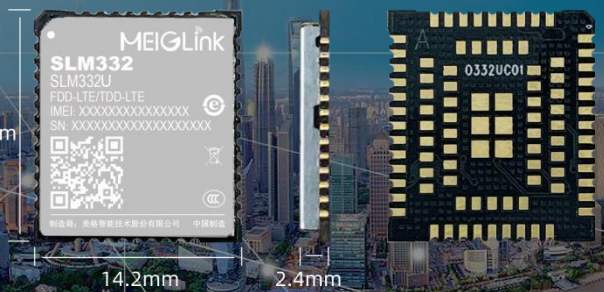| ARM Cortex-A5 500MHz	Cat1 Max 10Mbps(DL) Max 5Mbps(UL)	USB2.0
LCC+LGA	WIFI Scan	TCP/UDP

SLM332U

LTE Cat 1 Module

Support GNSS & WIFI Scan

16.3mm

14.2mm   2.4mm

General Feature

- Package：
  LCC48pin+LGA 61pin
- Size:
  17.7×15.8×2.4 mm

Frequency Band

SLM332U-C（China）
LTE FDD: B1/B3/B5/B8
LTE TDD: B38/B39/B40/B41

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

Driver & Tool

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

Module Interface

- 1xUSB 2.0
- 3xUART
- 2xI2C
- 2xI2S
- 2xSPI
- WAKEUP-IN
- Fly Mode
- Power on/off, Reset
- SIM x 2 (1.8/3.0V)
- Antenna interface: Main
  antenna, WiFi antenna

Electrical Feature

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

Temperature and Humidity

Work temperature: -30℃ ~ 75℃
Storage temperature: -40℃ ~ 90℃
Humidity：5%~95%

Certification

CCC*/SRRC*/CTA*/CE*

* means in development