LTE-FDD/LTE-TDD/HSPA+ Module

The R10C R2 is a new generation of Longsung LTE wireless module, supports LTE CAT6 up to 300Mbps data transfer， rich of Internet protocols, and industry-standard interfaces and abundant functionalities. It is Multi-Band LTE-FDD/LTE-TDD/HSPA+ module solution in a M.2 type.

It has strong extension capability with rich interfaces including UART, USB3.0, GPIO etc. The module provides much flexibility and ease of integration for customer's application.

It is designed for applications that need high 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 many applications.

LTE-TDD/LTE-FDD	M2M application	M.2 Standard Interface
USB 3.0 Interface	Linux operating system	RoHS compliance
AT Command	UART Interface	Windows XP/Vista/7/8/10 Operating system
UART Interface	GNSS	Linux operating system

R10C R2

LTE Cellular Module

General features:

• Output power:

- Class 3 (0.25W) for LTE/UMTS

• Control via AT commands

• Supply voltage range: 3.2V- 4.4V

• Dimensions: 42.0×30.0×2.3mm

• GNSS (GPS,GLONASS and BeiDou)

• LTE-TDD/LTE-FDD/WCDMA

• Support DL 2XCA

• Operation Temperature

 -40°C to +85°C

• MSL：3

Additional features:

• VoLTE

• Phone book

• PCM   Audio

Band Configuration:

R10C R2:

• LTE-FDD Band:

 B1/B3/B5/B7/B8/B20/B28/B32

• LTE-TDD Band: B38/B40/B41

• DL 2XCA:

 B1+B1/B5/B8/B20/B28;

 B3+B3/B5/B7/B8/B20/B28;

 B7+B5/B7/B8/B20/B28;

 B20+B32;

 B38+B38;

 B40+B40;

 B41+B41;

• UMTS Band: B1/B3/B5/B8

Protocols:

TCP/ IP/ IPV4/ IPV6/ UDP/ FTP/ FTPS/ HTTP/ HTTPS/ NDS/ SSL/ TLS

Specifications for data:

• Support Release 11

• LTE-FDD up to 300 Mbps DL,50 Mbps UL

• LTE-TDD up to 226 Mbps DL,28 Mbps UL

• DC-HSPA+ up to 42.2Mbps DL,5.76Mbps UL

• HSUPA up to 5.76Mbps UL

• WCDMA up to 384Kbps DL,384Kbps UL

• Non transparent mode

• FOTA

• NDIS

Interfaces:

- M.2, TYPE 3042-S3-B

- RF connector

- Power supply

- USB 3.0 high speed

- USB 2.0 high speed

- UICC/SIM/UIM card interface 3 V, 1.8 V

- UART(4-wire)

- PCM

- PCIE

- I2C

- GPIO

Talk Straight   Accountable   Simplicity   Open-minded   Courageous