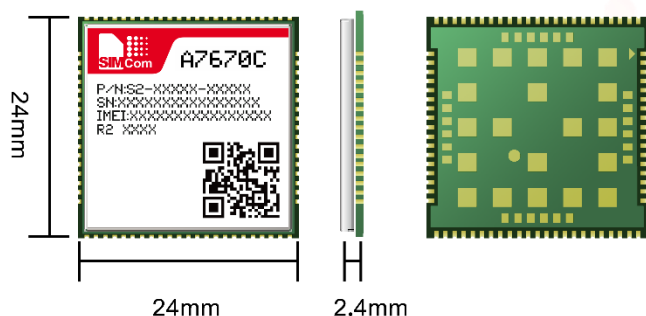


A7670C R2

SIMCom LTE Cat 1 模块



主要优势

- ◆ 主流封装尺寸的CAT 1模块，集成蓝牙和定位
- ◆ 丰富的硬件接口，满足各种设计需求
- ◆ 性能稳定，支持中国LTE网络全覆盖
- ◆ 丰富的软件功能：远程升级(FOTA)、基站定位(LBS)、TLS协议

产品描述

A7670C R2是一款面向中国市场的LTE Cat 1模块，支持LTE-TDD/LTE-FDD无线通信制式。该产品支持最大下行速率10Mbps和最大上行速率5Mbps。

A7670C R2采用了芯讯通主流的24*24mm的封装尺寸和LGA+LCC封装形式，实现了2G/NB/CAT M产品向LTE产品的平滑切换，极大方便了客户对尺寸紧凑而又功能齐全的终端产品的设计需求。

A7670C R2内置了多种网络协议，支持多种主流软件操作系统的驱动（Windows，Linux和Android等操作系统主流版本的USB驱动）和软件功能。A7670C R2支持蓝牙和定位功能，同时也集成了主流的工业标准接口，具有强大的扩展能力，包括UART、SPI、I2C、GPIO等丰富的接口，广泛适用于主流物联网应用领域，如车载通信终端、安防终端、POS、工业路由器和远程医疗终端等。

Product	A7670C-LASL R2	A7670C-LASS R2	A7670C-BASL R2	A7670C-MASL R2	A7670C-FASL R2
Form Factor	LCC+LGA	LCC+LGA	LCC+LGA	LCC+LGA	LCC+LGA
Dimensions(mm)	24.0*24.0*2.4	24.0*24.0*2.4	24.0*24.0*2.4	24.0*24.0*2.4	24.0*24.0*2.4
Weight(g)	2.7±0.1	2.7±0.1	2.7±0.1	2.7±0.1	2.7±0.1
Frequency LTE-FDD	B1/B3/B5/B8	B1/B3/B5/B8	B1/B3/B5/B8	B1/B3/B5/B8	B1/B3/B5/B8
Bands LTE-TDD	B34/38/39/40/41	B34/38/39/40/41	B34/38/39/40/41	B34/38/39/40/41	B34/38/39/40/41
Temperature(°C)	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Supply Voltage(V)	3.4~ 4.2	3.4~ 4.2	3.4~ 4.2	3.4~ 4.2	3.4~ 4.2
Flash(Mbits)	128	64	128	128	128
Data Transfer					
LTE(Mbps)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)
Software Features					
Android RIL	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0
USB Driver	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android
Protocol	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/HTTP/DNS	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/HTTP/DNS	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/HTTP/DNS	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/HTTP/DNS	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/HTTP/DNS
TLS	●	●	●	●	●
MQTT/MQTTS	●	●	●	●	●
File System	●	●	●	●	●
Audio Record/Play	●	●	●	●	●
TTS	●	NA	●	●	●
LBS	●	●	●	●	●
WWAN (RNDIS)	●	●	●	●	●
ECM	●	●	●	●	●
WIFI Scan	●	●	●	●	●
Embedded AT	●	●	●	●	●
FOTA	●	NA	●	●	●
Firmware Upgrade	USB/FOTA	USB	USB/FOTA	USB/FOTA	USB/FOTA
Interfaces					
SIM Card	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V
UART	●	●	●	●	●
USB2.0	●	●	●	●	●
PCM	o	o	o	o	o
Analog Audio	●	●	●	●	●
ADC	●	●	●	●	●
GPIO	●	●	●	●	●
I2C	●	●	●	●	●
Keypad* (4*4)	o	NA	o	o	o
Camera*	o	NA	o	o	o
LCM*	o	NA	o	o	o
Bluetooth	NA	NA	●	NA	●
GNSS	NA	NA	NA	●	●
Certification					
Certification	3C*/SRRC*/NAL*/RoHS*/REACH*	3C*/SRRC*/NAL*/RoHS*/REACH*	3C*/SRRC*/NAL*/RoHS*/REACH*	3C*/SRRC*/NAL*/RoHS*/REACH*	3C*/SRRC*/NAL*/RoHS*/REACH*

●: support o: optional *: on going