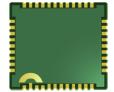


GSM/GRRS Module





SIM800C

SIM800C is a complete Quad-band GSM/GPRS solution in a SMT type, which can be embedded in the customer applications.

SIM800C supports Quad-band 850/900/1800/1900MHz, it can transmit Voice, SMS and data information with low power consumption. With tiny size of 17.6*15.7*2.3mm, it can smoothly fit into slim and compact demands of customer design.

Smart Machine Smart Decision

General features

- •Quad-band 850/900/1800/1900MHz
- •GPRS multi-slot class 12/10
- •GPRS mobile station class B
- •Compliant to GSM phase 2/2+
- -Class 4 (2 W @ 850/900MHz)
- -Class 1 (1 W @ 1800/1900MHz)
- •Bluetooth: compliant with 3.0+EDR
- •Dimensions: 17.6*15.7*2.3mm
- •Weight: 1.3g
- •Control via AT commands (3GPP TS 27.007, 27.005 and SIMCom enhanced AT Commands)
- •Supply voltage range 3.4 ~ 4.4V
- Low power consumption
- •Operation temperature:-40°C ~85°C

Specifications for GPRS Data

- •GPRS class 12: max. 85.6 kbps (downlink/uplink)
- •PBCCH support
- •Coding schemes CS 1, 2, 3, 4
- •PPP-stack
- •USSD

Specifications for SMS via GSM/GPRS

- •Point to point MO and MT
- •SMS cell broadcast
- Text and PDU mode

Software features

- •0710 MUX protocol
- •Embedded TCP/UDP protocol
- •FTP/HTTP
- •MMS
- •POP3/SMTP
- •DTMF
- ·Jamming Detection
- Audio Record
- •SSL
- ·Bluetooth (optional)

Specifications for voice

- Tricodec
 - -Half rate (HR)
 - -Full rate (FR)
 - -Enhanced Full rate (EFR)
- •AMR
 - -Half rate (HR)
 - -Full rate (FR)
- •Hands-free operation (Echo suppression)

Interfaces

- 42 SMT pins including
- •Analog audio interface
- •RTC backup
- •USB interface
- •Serial interface
- •Interface to external SIM 3V/1.8V
- •GPIO
- •ADC
- •GSM Antenna pad
- •Bluetooth Antenna pad

Compatibility

•AT cellular command interface

Certifications:

•CE

More about SIMCom SIM800C Please contact:

Tel: 86-21-32523300
Fax: 86-21-32523301
Email: simcom@sim.com
Website: www.sim.com/wm

All specifications are subject to change without prior notice.