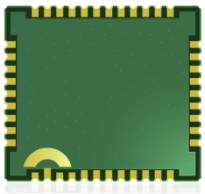
GSM/GPRS Module

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℃ ~85℃

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

*Enhance version support TTS and EAT

More about SIMCom SIM800C
Please contact:
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Email: simcom@sim.com
Website: www.sim.com/wm

All specifications are subject to change without prior notice.