

SIM800C

GSM / GPRS Module



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.

Product 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)

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



Otto Wireless Solutions

58 Wakis Avenue, Strijdompark

Randburg, 2155

PO BOX 55536 Northlands 2116

Republic of South Africa

Tel: +27 11 791 1033 | Fax: +27 11 791 1187

wireless@otto.co.za | www.otto.co.za

Specifications for GPRS Data

GPRS class 12: max. 85.6 kbps (downlink/uplink)

PPP-stack

PBCCH support

USSD

Coding schemes CS 1, 2, 3, 4

Specifications for SMS via GSM/GPRS

Point to point MO and MT

SMS cell broadcast

Text and PDU mode

Software features

0710 MUX protocol

Jamming Detection

Embedded TCP/UDP protocol

Audio Record

FTP/HTTP

SSL

MMS

Bluetooth 3.0(optional)

POP3/SMTP

DTMF

Specifications for voice

Tricodec

AMR

- Half rate (HR)

- Half rate (HR)

- Full rate (FR)

- Full rate (FR)

- Enhanced Full rate (EFR)

Hands-free operation (Echo suppression)



Otto Wireless Solutions

58 Wakis Avenue, Strijdompark

Randburg, 2155

PO BOX 55536 Northlands 2116

Republic of South Africa

Tel: +27 11 791 1033 | Fax: +27 11 791 1187

wireless@otto.co.za | www.otto.co.za

Interfaces

42 SMT pins including:

Analog audio interface

RTC backup

USB interface

Serial interface

Bluetooth Antenna pad

Interface to external SIM 3V/1.8V

GPIO

ADC

GSM Antenna pad

Compatibility

AT cellular command interface

Certifications

CE

FCC

GCF

TA

ROHS

REACH

CTA

CCC (on going)