

SIM100C

Tri - Band GSM/GPRS Module

The super reliable GSM/GPRS module for vehicle application

The SIMCOM SIM100C is a Tri-Band GSM/GPRS solution in a compact plug-in module.

Featuring an industry-standard interface, the SIM100C delivers GSM/GPRS 900/1800/1900 MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption.

The leading features of SIM100C make it ideal for wireless communication in car terminal.

- Tri-Band GSM/GPRS module suitable for global market
- Especially designed board to board DIP connector and PCB can be more competent for vehicle application
- Based upon mature and field-proven platform, backed up by SIMCOM support service, from definition to design and production



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General Features

- Tri-Band GSM/GPRS 900/ 1800/ 1900 MHz
- GPRS multi-slot class 10
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
 - Class 4 (2 W @ 900 MHz)
 - Class 1 (1 W @ 1800/1900MHz)
- Dimensions: 72* 42 * 6.2 mm
- Weight: 18 g
- Control via AT commands (GSM 07.07 ,07.05 and SIMCOM enhanced AT Commands)
- SIM application toolkit
- Supply voltage range 3.4 ... 4.5 V
- Low power consumption
- Normal operation temperature:
 - 20℃ to +55℃
- Restricted operation temperature:
 - 25℃ to -20℃ and +55℃ to +70℃

Specifications for fax

- Group 3, class 1

Specifications for data

- GPRS class 10: max. 85.6 kbps (downlink)
- PBCCH support
- Coding schemes CS 1, 2, 3, 4
- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- PPP-stack

Specifications for SMS via GSM and GPRS:

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

Specifications for voice

- Tricodec
 - Half rate (HR)
 - Full rate (FR)
 - Enhanced Full rate (EFR)
- Hands-free operation (Echo cancellation)
- Noise reduction

Drivers

- MUX Driver

Interfaces

- 60 Pins Board-to-board DIP connector
- Interface to external SIM 3V 1.8V
- Two analog audio interfaces
- Keypad interface
- LCD interface
- RTC backup
- Dual - serial ports interface
- Antenna connector and antenna pad
- AT commands via serial interface

Compatibility

- AT cellular command interface

More about Simcom SIM100C Module

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