

SIM300C

GSM/GPRS Module



The SIM300C is a complete Tri-Band GSM/GPRS solution in a compact plug-in module with DIP board-to-board connector.

Featuring an industry-standard interface, the SIM300C delivers GSM/GPRS 900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption. With a tiny configuration of 50mm x 33mm x 6.2 mm, SIM300C can fit almost all the space requirements in your industrial applications , such as M2M , Telematics and other mobile and other mobile data communication systems.

- Tri- Band GSM/GPRS module with a size of 50x33x6.2mm
- DIP type board-to-board connector suit for vehicle application
- Customized MMI and keypad/LCD support
- An embedded Powerful TCP/IP protocol stack
- Based upon mature and field-proven platform, backed up by our support service, from definition to design and production

We make future wireless

General features

- Tri-Band GSM/GPRS 900/ 1800/ 1900 MHz
- GPRS multi-slot class 10/8
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
 - Class 4 (2 W @ 900 MHz)
 - Class 1 (1 W @ 1800/1900MHz)
- Dimensions: 50* 33 * 6.2 mm
- Weight: 13.8 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:
-30°C to +70°C
- Restricted operation temperature:
-30°C to +80°C
- Storage temperature
-40°C to +85°C

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/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 suppression)

Drivers

- MUX Driver

Interfaces

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

Compatibility

- AT cellular command interface

Approvals

- FTA
- CE

More about SIM300C Module

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