

SIM300

GSM/GPRS Module



The SIM300 is a Tri-band GSM/GPRS solution in a compact plug-in module.

Featuring an industry-standard interface, the SIM300 delivers GSM/GPRS 900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption.

The leading features of SIM300 make it ideal for virtually unlimited applications, such as WLL applications (Fixed Cellular Terminal) and handheld devices.

- Tri- band GSM/GPRS module with a size of 40x33x2.9mm
- 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: 40 * 33 * 2.9 mm
- Weight: 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: -20 °C to +60 °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 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

Compatibility

- AT cellular command interface

Approvals

- FTA
- GCF
- Local Type Approval
- CE
- FCC
- RoHS

More about SIMCom SIM300**module Please contact:**

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