

## SIM340

### GSM/GPRS Module



The SIM340 is a complete Dual-band GSM/GPRS solution in a compact plug-in module.

Featuring an industry-standard interface, the SIM340 delivers GSM/GPRS 850/1900Hz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption.

The leading features of SIM340 make it ideal for virtually unlimited applications, such as WLL applications (Fixed Cellular Terminal), M2M application, handheld devices and much more.

- Dual-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 SIMCOM support service, from definition to design and production

***We make future wireless***

**General features**

- Dual-Band GSM/GPRS 850/1900 MHz
- GPRS multi-slot class 8/10
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
  - Class 4 (2 W @ 850MHz)
  - Class 1 (1 W @ 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
- Operation temperature: -30 °C to +80 °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)
- AMR
  - Half rate (HR)
  - Full rate (FR)

**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
- CE
- RoHS
- FCC
- PTCRB

**More about SIMCom SIM340 module Please contact:**

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