SIM600 Quad Band GSM/GPRS/EDGE Module

The SIMCOM SIM600 is a quad-band GSM/GPRS/EDGE solution in a compact plug-in module.

Featuring an industry-standard interface, the SIM600 delivers GSM/GPRS 850/900/1800/1900 MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption.

The leading features of SIM600 make it ideal for virtually unlimited application, such as Wireless PDA, Smart phones, Mobile Computing handheld devices, mobile computing accessory cards and much more.

- Quad band GSM/GPRS/GPRS module suitable for global market
- 54x 33 x 2.5 mm fitting easily into virtually any form factor
- Based upon mature and field-proven platform, backed up by SIMCOM support service, from definition to design and production

Choose the SIMCOM SIM600 module, enjoy all benefits from it.

General features

- Quad-Band GSM/GPRS 850/ 900/ 1800/ 1900 MHz
- GPRS/EGPRS multi-slot class 12
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
  - Class 4 (2 W @ 850/900 MHz)
  - Class 1 (1 W @ 1800/1900MHz)
- Dimensions: 54 * 33 * 2.5 mm
- Weight: 14 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 +55 °C
- Restricted operation temperature: -20 °C to -25 °C and +55 °C to +70 °C

Specifications for fax:

- Group 3, class 1

Specifications for data:

- EGPRS class 10: max. 180 kbps (downlink)
- PBCCH support
- Coding schemes MCS 5, 6, 7, 8, 9
- 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)
  - Adaptive multi rate (AMR)
- Hands-free operation (Echo cancellation)
- Noise reduction

Drivers:

- Microsoft Windows Mobile . RIL Driver
- MUX (07.10) Driver

Interfaces:

- Interface to external SIM
- 100 Pins Board-to-board connector
- Digital and analog audio interfaces
- AT commands via serial interface
- Dual - serial interfaces
- LCD, Camera interfaces
- 5 x 5 keyboard interfaces
- IRDA, USB and Bluetooth interface
- Antenna connector and antenna pad
- Additional memory interface
- Battery charger

Compatibility:

- AT cellular command interface

More about Simcom SIM600 Module
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