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SIM300

GSM/GPRS Module



The SIM300 is a Tri-Band/Quad-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 application, such as WLL applications (Fixed Cellular Terminal), M2M application, handheld devices and much more.

- Tri- band GSM/GPRS module with a size of 40x33x2.85mm
- 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

* Quad-Band version(SIM340) will be released @ Q1,2006

We make future wireless

General features

- Tri-Band GSM/GPRS 900/ 1800/ 1900 MHz or Quad-Band 850/900/1800/1900 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: 40mm x 33mm x 2.85 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 +55 °C
- Restricted operation temperature: -25 °C to -20 °C and +55 °C to +70 °C
- Storage temperature -40 °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

Compatibility

- AT cellular command interface

Specifications for voice

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

Drivers

- Microsoft Windows Mobile . RIL Driver
- 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
- Dual - serial interfaces
- Antenna connector and antenna pad

Approvals

- FTA
- Local Type Approval
- CE

More about SIM300 Module

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