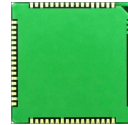




GSM/GPRS+GPS Module

SIM808



SIM808 module is a complete Quad-Band GSM/GPRS module which combines GPS technology for satellite navigation. The compact design which integrated GPRS and GPS in a SMT package will significantly save both time and costs for customers to develop GPS enabled applications. Featuring an industry-standard interface and GPS function, it allows variable assets to be tracked seamlessly at any location and anytime with signal coverage.

General features

- Quad-band 850/900/1800/1900MHz
- GPRS multi-slot class 12/10
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
 - Class 4 (2 W @ 850/900MHz)
 - Class 1 (1 W @ 1800/1900MHz)
- Dimensions: 24*24*2.6mm
- Weight: 3.3g
- Control via AT commands (3GPP TS 27.007, 27.005 and SIMCOM enhanced AT Commands)
- Supply voltage range 3.4 ~ 4.4V
- Low power consumption
- Operation temperature:-40°C ~85°C

Specifications for GPRS Data

- GPRS class 12: max. 85.6 kbps (downlink/uplink)
- PBCCH support
- Coding schemes CS 1, 2, 3, 4
- PPP-stack
- USSD

Specifications for SMS via GSM/GPRS

- Point to point MO and MT
- SMS cell broadcast
- Text and PDU mode

Software features

- 0710 MUX protocol
- Embedded TCP/UDP protocol
- FTP/HTTP
- MMS
- POP3/SMTP
- DTMF
- Jamming Detection
- Audio Record
- SSL
- Bluetooth 3.0 (optional)
- TTS CN(optional)
- Embedded AT (optional)

Compatibility

- AT cellular command interface

Specification for GPS

- Receiver type
- 22 tracking /66 acquisition -channel
- GPS L1 C/A code
- Sensitivity
- Tracking: -165 dBm
- Cold starts : -148 dBm
- Time-To-First-Fix
- Cold starts: 32s (typ.)
- Hot starts: <1s
- Warm starts: 3s
- Accuracy
- Horizontal position : <2.5m CEP

Interfaces

- 68 SMT pads including
- Analog audio interface
- PCM interface(optional)
- SPI interface (optional)
- RTC backup
- Serial interface
- USB interface
- Interface to external SIM 3V/1.8V
- Keypad interface
- GPIO
- ADC
- GSM Antenna pad
- Bluetooth Antenna pad
- GPS Antenna pad

Certifications

- CE
- FCC

More about SIMCom SIM808 Please contact:

Tel: 86-21-32523300

Fax: 86-21-32523301

Email: simcom@sim.com

Website: www.sim.com/wm

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Modules](#) category:

Click to view products by [Simcom](#) manufacturer:

Other Similar products are found below :

[HMC-C009](#) [HMC-C011](#) [nRF24L01P-MODULE-PCB](#) [HMC-C021](#) [HMC-C024](#) [XB9XT-DPRS-721](#) [XBP9B-DMUTB022](#) [nRF24L01P-MODULE-SMA](#) [CMD-KEY2-418-CRE](#) [XM-C92-2P-UA](#) [XB9XT-DPUS-721](#) [V640-A90](#) [HMC-C583](#) [MAAM-008818-TR3000](#) [MTSMC-H5-U](#) [SIMSA868-PRO](#) [SIMSA915C-PRO](#) [SIMSA868C-PRO](#) [SIMSA433C-PRO](#) [SIMSA915-PRO](#) [XBP9B-DMUT-042](#) [HMC-C582](#) [HMC-C022](#) [XBP9B-DPST-041](#) [XBP9B-DMWT-042](#) [SM-MN-00-HF-RC](#) [HMC-C031](#) [MT-02](#) [M1002GB](#) [702-W](#) [SIMSA868C-N-PRO](#) [SIMSA433C-N-PRO](#) [SIMSA915C-N-PRO](#) [ADP-R202-00B](#) [PEPPER WIRELESS C1 USB](#) [S2-1050J-Z0K4J](#) [S2-10732-Z1T61](#) [S2-107XB-Z2356-Z2352](#) [S2-10672-Z1L85](#) [S2-10686-Z1L1D](#) [S2-10688-Z1L1T](#) [S2-106BA-Z1P20](#) [S2-1060C-Z1F0A](#) [S2-106R4-Z1Q6F-Z1Q6Q](#) [S2-106R4-Z1Q6J-Z1Q6Q](#) [S2-106R4-Z1Q67-Z1Q6Q](#) [S2-106RB-Z1Q6V-Z1Q6Q](#) [S2-107DR-Z1Y5B](#) [SU60-2230C-PU](#) [RC-TFSK3-868](#)