

SIM 808 Datenblatt



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1. 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

2. 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

3. 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

4. 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

5. Specifications for SMS via GSM/GPRS

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

6. 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)

7. Compatibility

- AT cellular command interface

8. Certifications

- CE
- FCC