



SIMCom Wireless Solutions

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# SIM800H Introduction

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## Overview

SIM800H is a Quad-band 850/900/1800/1900MHz GSM/GPRS solution in a LGA type. With tiny size, it can fit into slim and compact demands of customer design.



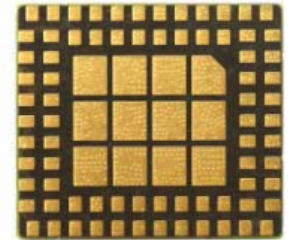
- One of the smallest GSM/GPRS module
- Size is only “15.8\*17.8\*2.4mm”!!!

## Spec

- Quad-band 850/900/1800/1900MHz
- LGA Type
- 15.8\*17.8\*2.4mm
- GPRS multi-slot class 12/10
- Supply voltage range: 3.4 ~ 4.4V
- Operation temperature: -40°C~85°C
- Voice, SMS
- CSD, USSD, PBCCH, PPP-Stack

## Software

- 0710 MUX protocol
- Embedded TCP/UDP protocol
- FTP/HTTP, MMS, E-MAIL, DTMF
- Jamming Detection, Audio Record



- Embedded AT (optional)
- Bluetooth(Optional): compliant with 3.0+EDR
- FM: 76~109MHz worldwide bands with 50KHz tuning step
- TTS(Just support Chinese)

## Interface

- |                        |                  |
|------------------------|------------------|
| Analog audio interface | Keypad interface |
| PCM interface          | GPIO             |
| RTC backup             | ADC              |
| Serial interface       | GSM Antenna pad  |
| USB interface          | FM Antenna pad   |
| Bluetooth Antenna pad  |                  |

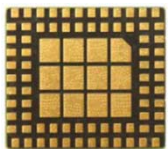
## Key Features



➤ Bluetooth  
(Optional)



➤ FM



➤ PCM Interface

## Typical application



Car Phone && Music



Smart Watch



Small Tracker

## Feature Remarks

- SSL, Jamming Detection, FM (B03 version, End of Aug 2013)
- Bluetooth (Optional version, Sep 2013)
- Embedded AT(Optional version, Has launched)
- TTS (Only support Chinese currently. Support English need developing special version and deducting some other features to save the memory)

## Difference with SIM900



VS



- SIM800H: MTK, LGA, 15.8\*17.8\*2.4mm  
Bluetooth, FM, PCM interface  
Audio record
- SIM900: STE, SMT, 24\*24\*3mm  
FOTA, Ecall, SMS Autorun  
PWM interface

# Certification



Will get reports below in Sep 2013



**GCF**<sup>TM</sup>  
Global Certification Forum



  
**RoHS**  
**Compliant**



*Q&A Thank you!*





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