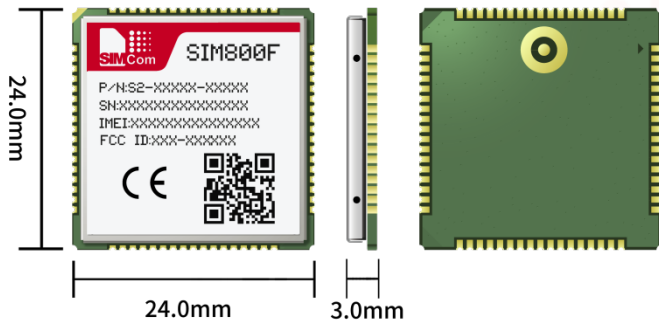


# SIM800F

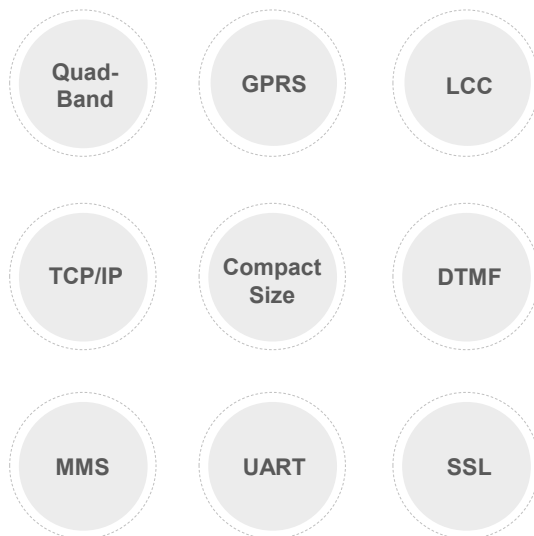
## SIMCom GSM/GPRS Module



### Product Description

The SIM800F is the Quad-Band GSM/GPRS which supports GPRS up to 85.6kbps data transfer. It has strong extension capability with abundant interfaces including UART, USB2.0, GPIO etc. The module provides much flexibility and ease of integration for customer's applications.

The form factor of SIM800F is LCC. Due to the unique combination of performance, security and flexibility, the module is ideally suited for many applications such as smart meter, security, remote diagnostics etc.



### Key Benefits

- ◆ Compact size quad-band GSM/GPRS module
- ◆ LCC form factor, easy for solder
- ◆ Abundant software functions: DTMF, MMS, MUX
- ◆ Low Power consumption
- ◆ Embedded TCP/UDP protocols

## General Features

Frequency Bands	850/900/1800/1900MHz
GPRS multi-slot class	12/10
Dimensions	24*24*3.0mm
Weight	3.1±0.1g
Supply Voltage	3.4V ~ 4.4V
Operation temperature	-40°C ~ +85°C
Compliant GSM phase 2/2+	Class 4 (2W @ 850/900MHz) Class 1 (1W @ 1800/1900MHz)
Control Via AT Commands (3GPP TS 27.007, 27.005 & SIMCom enhanced AT Commands)	
Low Power consumption	
GPRS mobile station class B	

## Specifications for GPRS Data

GPRS class 12: Uplink/Downlink up to 85.6Kbps
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

## Specifications for Voice

Speech Codec Modes	AMR/HR/FR/EFR
Echo Arithmetic	AEC/EES

## Software Features

0710 MUX protocol
Embedded TCP/UDP protocol
FTP/HTTP/POP3/SMTP
MMS
DTMF
Jamming Detection
Audio Record
LBS*
SSL/TLS*
BT 3.0*
TTS*
EAT*

## Interfaces

Analog audio interface
UART
USB
(U)SIM card(1.8V/3V )
PWM
RTC
ADC
I2C
SPI*
GPIO
Antenna: GSM/BT*

## Certifications

CE/ACMA/FCC/GCF
3C/SRRC/NAL
TIM
RoHS/REACH

### Note

\*: optional