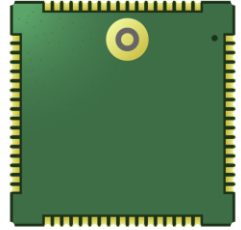




GSM/GPRS Module



SIM800F

SIM800F is a complete Quad-band GSM/GPRS solution in a SMT type, which can be embedded in the customer applications.

SIM800F supports Quad-band 850/900/1800/1900MHz, it can transmit Voice, SMS and data information with low power consumption. With tiny size of 24*24*3mm, it can smoothly fit into slim and compact demands of customer design.

Smart Machine Smart Decision

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*3mm
- Weight: 3.1g
- 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
- TTS_CN (optional)
- Bluetooth 3.0 (optional)

Specifications for voice

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

Interfaces

- 68 SMT pins including
- Analog audio interface
- RTC backup
- USB interface
- Serial interface
- Interface to external SIM 3V/1.8V
- GPIO
- ADC
- PWM
- I2C
- GSM Antenna pad
- Bluetooth Antenna pad

Compatibility

- AT cellular command interface

Certifications:

- ROHS
- REACH
- CE (ongoing)
- GCF (ongoing)

Distributed by:



More about SIMCom SIM800F Please contact:

Tel: 86-21-32523300

Fax: 86-21-32523301

Email: simcom@sim.com

Website: www.sim.com/wm

The Netherlands



Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
F: +31 (0)53 573 33 30
E: nl@texim-europe.com

Belgium



Gentsesteenweg 1154-C22
Chaussée de Gand 1154-C22
B-1082 Brussel / Bruxelles

T: +32 (0)2 462 01 00
F: +32 (0)2 462 01 25
E: belgium@texim-europe.com

UK & Ireland



St. Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
F: +44 (0)845 299 22 26
E: uk@texim-europe.com

Germany North



Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
F: +49 (0)4106 627 07-20
E: germany@texim-europe.com

Germany South



Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
F: +49 (0)89 436 086-19
E: germany@texim-europe.com

Austria



Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
F: +43 (0)662 216 026-66
E: austria@texim-europe.com

Nordic region



Sdr. Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
F: +45 88 20 26 39
E: nordic@texim-europe.com

General information



info@texim-europe.com
www.texim-europe.com