

## **SIM700**

# **GSM/GPRS/EDGE Module**



The new EDGE Module is a complete Quad-Band GSM/GPRS/EDGE solution in a compact plug-in module. Featuring an industry-standard interface, it delivers GSM/GPRS/EDGE 850/900/1800/1900MHz performance for Data, voice, SMS, and Fax in a small form factor and with low power Consumption.

The leading features of the Module make it ideal for virtually unlimited application, such as wireless network PC card, USB modem, handheld devices, M2M application and much more.

- Mobile station class B
- Multi-slot class 12
- Uplink or downlink max throughput: 236.8kbps
- Low power consumption
- Embedded Multiplexer protocol stack
- PACKAGE: 45 x 34 x 3 mm
- Weight: approx 12.5g

***We make future wireless***

**The GSM /GPRS/EDGE Module for M2M and handheld applications**

**General feature**

- Quad-Band  
GSM850/EGSM900/DCD1800/PC  
S1900
- Output power:  
GMSK:  
Class 4 (2W)@GSM850/EGSM900  
Class 1 (1W)@DCS1800/PCS1900  
8PSK:  
Class E2 (0.5W)@GSM850/GSM900  
Class E2 (0.4W)@DCS1800/PCS1900
- GPRS /EDGE multi-slot class 12
- Coding scheme:CS1~4, MS1~9
- mobile station class B
- Control via AT commands (GSM  
07.07 ,07.05 and SIMCOM  
enhanced AT Commands)
- SIM application toolkit
- Supply voltage range 3.4 ... 4.5 V
- low power consumption
- Operation temperature:  
-40 °C to +85 °C

**Specifications for fax**

- Group 3, class 1

**Specifications for data**

- CSD: up to 14.4kbps,  
non-transparent
- GPRS: max: 85.6kbps;
- EDGE: DL&UL max: 236.8kbps;
- Coding scheme: CS1~4, MCS1~9
- Support PBCCH
- Support USSD

**Specifications for voice**

- Half Rate (ETS 06.20)
- Full Rate (ETS 06.10)
- Enhanced Full Rate (ETS 06.50  
/06.60/ 06.80)
- Echo cancellation
- Noise reduction

**Compatibility**

AT cellular command interface

**Drivers**

Multiplexer driver for Microsoft  
windows

**Interfaces**

- Power supply
- Two analog audio channel
- RTC backup
- Serial interface and debug  
interface
- USB slave
- Antenna pad
- Charge interface
- SIM Card
- I<sup>2</sup>C BUS

**Approvals**

- GCF
- CE
- Local Type Approval

***More about New EDGE Module  
Please contact:***

Tel: 86-21-54278900

Fax: 86-21-54278901

Email: simcom@sim.com