Fibocom

G510 GSM/GPRS Module
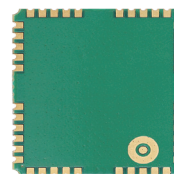
Perfect Wireless Experience

- Quad-band
- GPRS Class 10
- Internal TCP/IP
- Extended Temperature Range

G510 is a wireless module with LCC package and supports 850/900/ 1800/1900MHz. It is extremely small in size, has low power consumption and powerful EMC and ESD performance, and has an Internal TCP/IP protocol stack and two serial ports, providing perfect voice call function and high speed data transmission for customers.

G510 module is ideal for today's wireless payment, telematics, hand held devices and industrial IoT applications.

Available For

▪ Global Market

G510 GSM/GPRS Module
Perfect Wireless Experience

G510 GSM/GPRS Module Technical Specifications

Product Features

- Quad Band: 850/900/1800/1900MHz
- Dimensions: 20.2 x 22.2 x 2.5mm
- LCC 42pin
- Weight: 2.5 gram
- Operating Temperature: -40 ~ +85°C
  Storage Temperature: -40 ~ +85°C
- Operating Voltage: 3.3 ~ 4.5V, Typical 4.0V

- TX Power:
  850/900MHz class 4 (2W)
  1800/1900MHz class 1 (1W)
- AT Command Set:FIBOCOM proprietary AT commands/
  GSM 07.05/GSM 07.07/GSM 07.10

Data

- Embedded TCP/UDP
- GPRS: Multi-slot class 10 (4 Down; 2 Up; 5 Total)
      Max Downlink 85.6 Kbps
      Coding Scheme CS1-CS4SMS

- MUX: Basic Mode
       MO/MT Text and PDU modes
       Cell broadcast
- SMS: MO/MT Text and PDU modes
       Cell broadcast

Interfaces

- SIM Card：1.8V/3.0V
- UART: BR from 2400 to 460800
- Power on/off
- UART X 2
- Analog Audio X 2

Highlights

- OpenCPU
- Watchdog inside
- Jamming Detection
- LBS

Approvals

- CCC/SRRC/NAL/CE/GCF/RoHS/ANATEL

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