Fibocom

G510 GSM/GPRS Module
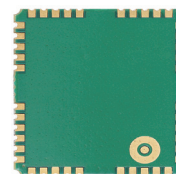
Perfect Wireless Experience

- 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.

20.2mm
22.2mm

Fibocom
G510
S/N:H1D7FH0YK0
IMEI:869267019992168
Made in China

Available For

▪ Global Market

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
- Operating Voltage: 3.3 ~ 4.5V
- Current Consumption:
  1.0mA@sleep mode (DRX9)

- TX Power:
  850/900MHz class 4 (2W)
  1800/1900MHz class 1 (1W)
- RX Sensitivity:
  -109dBm (850/900MHz)
  -108dBm (1800/1900MHz)
- 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/2.8V
- UART: BR from 2400 to 460800
- Power on/off
- UART X 2
- Analog Audio X 2

Highlights

- OpenCPU
- Watchdog inside
- Jamming Detection
- LBS

20.2mm   22.2mm

Approvals

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