

GSM/GPRS Module G510-Q50



GSM: 850/900/1800/1900

As low as 1.5mA @Sleep

22.2x20.2x2.4mm

-40°C~+85°C

G510-Q50 is a quad-band GSM/GPRS module in LCC castellation packaging in the market., and features compact size of 22.2x20.2x2.4mm. Compatible with Fibocom 510 series module, easy for future upgrading.

G510-Q50 has a low-power sleep mode, which can greatly reduce the power consumption of the product when it is idle. It has the characteristics of ultra-wide operating temperature range and is suitable for M2M applications such as smart payment, sharing industry, asset tracking, smart home, smart city and so on.



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Basic Features

- GSM: 850/900/1800/1900MHz
- LCC: 22.2x20.2x2.5mm
- Operating temperature:-40 °C~+85 °C
- Storage temperature:-40 °C~+90 °C
- Operating Voltage:3.3V~4.5V
- AT Command Set: 3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- TX Power:
 - 850/900 MHz: 33dBm±2dB
 - 1800/1900 MHz: 30dBm±2dB
- RX Sensitivity:
 - 850/900MHz: -108 dBm
 - 1800/1900MHz: -107.5 dBm

Data Transmission

- GPRS Multi-slot Class: Class 12
- GPRS: 85.6Kbps DL/ 85.6Kbps UL
- Coding Scheme: CS1-CS4

Features

- TCP/UDP/NTP/SSL/PPP/MQTT/FTP/HTTP/OneNET/Alibaba Cloud/LBS
- DFOTA
- OpenCPU

Interfaces

- SIM 1.8V/3.0V
- UART
- GPIO

OS Drivers

- Linux/Windows

Certifications

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

Note: * = Planning ** = Developing

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