

G620 GSM/GPRS Module

Perfect Wireless Connection



Quad Band



GPRS Class 10



Internal TCP/IP; UDP



Extended Temperature Range



Ext. RF



CE0168




RoHS

FIBOCOM G620 is designed for portable products. With characters of low current consumption, small volume and SMT package, it favors user's batch processing by skipping the use of connector, in the meanwhile, leads to a remarkable decline in overall system costs

G620 supports quad-band 850/900/1800/1900MHz With internal TCP/IP protocol. GPRS data connection of G620 module is reliable. Numerous extensible interfaces (e.g., I2C) and definable GPIO make integration with peripherals easy and product design flexible and convenient.

G620 is accorded with industrial requirement. It works normally in severe environment with high temperature, moisture and EMI. Ultra-compact design & wide temperature range make G620 become the best choice for smart grid, POS, security, etc.

The tool  **Fibo-Center**, offered to you by Fibocom for free, provides you a convenient platform for module study, evaluation, debug and diagnostic, which simplify engineers' complex development work and shorten development cycle.



Product features

- Quad-band: 850/900/1800/1900 MHz
- Low Current Consumption
 - 1.6mA@ Sleep Mode
- Internal TCP/IP & UDP/IP
- Internal MMS
- Operating Voltage: 3.3 ~ 4.5V
- RX Sensitivity: -108dBm (850/900 MHz)
- Size: 24.0 x 24.5 x 2.6 mm
- Weight: < 4g
- Temperature Range
 - -40~+85°C
- RoHS Compliant

G620 GSM/GPRS Module

Perfect Wireless Connection

G620 GSM/GPRS Module Technical Specifications

Product Features

Supported Bands

- Quad Band
850/900/1800/1900 MHz

Physical

- Size: 24.0 x 24.5 x 2.6 mm
- Weight: < 4 gram

Environmental

- Operating temperature:
-40~+85°C

Performances

Operating Voltage

- Voltage: 3.3 ~ 4.5 V

Current Consumption

- 1.6mA @ Sleep Mode (DRX9)

TX Power

- 850/900 MHz class 4 (2W)
- 1800/1900MHz class 1 (1W)

RX Sensitivity

- -108dBm (850/900 MHz)

Interfaces

Interfaces

- 26pin PCB Pads

SIM Card

- 1.8V / 3.0V
- External SIM connectivity

Connectivity

- UART: BR from 1200 to 230400
- Auto BR supported

Data Features

General

- Internal TCP/IP & UDP/IP

GPRS

- Multi-slot class 10
(4 Down; 2 Up; 5 Total)
- Max BR Downlink 85.6 Kbps
- Coding Scheme CS1-CS4
- PPP stack

MUX

- Basic Mode

CSD

- Max BR 9.6 Kbps

SMS

- MO/MT Text and PDU modes
- Cell broadcast

Control / Status Indications

- Power on/off
- Reset

Regulatory and Approvals

- SRRC/CCC

Character Set

- IRA
- UCS2
- GSM
- HEX

AT Command Set

- GSM 07.05
- GSM 07.07
- GSM 07.10
- TCP/IP Stack inside

Accessories

- Hardware User Manual
- AT Command User Manual
- Evaluation Kit
- Evaluation Kit User Manual
- Evaluation Kit Schematics
- Release Notes
- FlashTool (for Windows XP)
- MobileAnalyser (for XP)
- Fibo-Center (for Windows XP)

