

QUECTEL

Wireless Module Expert

M72

Dual-Band GSM/GPRS Module



Dual Band



GPRS Multi-slot Class 12



SMD Type



Embedded Internet Service Protocols



RoHS Compliant



Serial Port Multiplexer (GSM0710)



Quectel Enhanced AT Commands

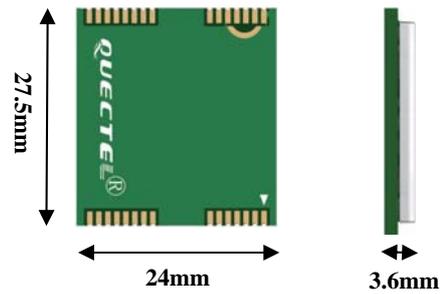
The M72 packs a dual-band GSM/GPRS module with abundant Internet service protocols supporting GPRS Class 12 data transmission into a very small form factor. Featuring SMD type, full shielding, extremely low power consumption and small size, it brings the benefits of utmost flexibility and robustness to customer's applications.

Equipped with industry-standard interface, the M72 is your all-rounder of choice for VTS, Smart Metering, Wireless POS, Security, and many other M2M applications.

- Dual-band GSM/GPRS module
- Very small size 27.5mm x 24mm x 3.6mm
- SMD for easy SMT production
- Embedded powerful Internet service protocols

M72

Dual-Band GSM/GPRS Module



General Features

| | |
|---|------------------------|
| Dual-Band | 900/1800 MHz |
| GPRS Multi-slot Class | 12/10/8 |
| GPRS Mobile Station | Class B |
| Compliant to GSM Phase 2/2+ | Class 4 |
| | (2W @900 MHz) |
| | Class 1 |
| | (1W @1800 MHz) |
| Supply Voltage Range | 3.3~4.6 V 4.0V nominal |
| Low Power Consumption | 0.9mA @ DRX=5 |
| | 0.7mA @ DRX=9 |
| Operation Temperature | -40 °C to +80 °C |
| Dimensions | 27.5mmx24mmx3.6mm |
| Weight | Approx 4.5g |
| Control via AT commands (GSM 07.07, 07.05 and other enhanced AT Commands) | |

Specifications for Data

| | |
|----------------------|------------------------------------|
| GPRS Class 12 | max. 85.6 kbps (uplink & downlink) |
| PBCCH Support | |
| Coding Schemes | CS 1, 2, 3, 4 |
| CSD | up to 14.4 kbps |
| USSD | |
| Non Transparent Mode | |
| Protocols | PPP, TCP |
| | UDP |
| | HTTP |
| | FTP |

Specifications for SMS via GSM / GPRS

Point-to-point MO and MT
SMS Cell Broadcast
Text and PDU Mode

Interfaces

External SIM 3V/ 1.8V
RTC Backup
Serial Port and Debug Port
Antenna Pad

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