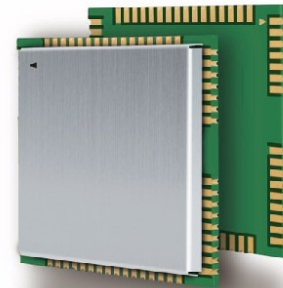


# QUECTEL

*Wireless makes smarter*

## M10

### Quad Band GSM/GPRS Module



Quad Band



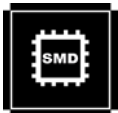
GPRS Multi-slot Class 12



Extended Temperature  
Range -40°C to +85 °C



Highly Compact Size



SMD Type



Embedded Internet  
Services Protocols



RoHS Compliant



Serial Port  
Multiplexer (GSM0710)



Quectel Enhanced AT  
Commands

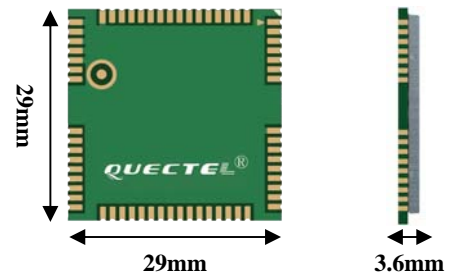
The M10 is a complete Quad-band GSM/GPRS solution in an SMD type which can be embedded in customer applications, offering the highest reliability and robustness.

Featuring an industry-standard interface and extremely low power consumption, the M10 delivers GSM/GPRS 850/900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor. The M10 can fit into almost all the M2M applications, including VTS, Smart Metering, Wireless POS, Security, etc.

- Quad-band GSM/GPRS module with a size of 29mmx29mmx3.6mm
- SMD type suits for customer application
- Embedded powerful internet service protocols, multiple Sockets & IP addresses
- Based on mature and field-proven platform, backed up by our support service, from definition to design and production
- Certificates:CE/GCF/FCC/PTCRB/IC/ANATEL/NORM/COFETEL/ICASA/NCC/China TA

# M10

## Quad Band GSM/GPRS Module



### General Features

<b>Quad-Band</b>	850/ 900/ 1800/ 1900 MHz
<b>GPRS Multi-slot Class</b>	12, 1~12 configurable
<b>GPRS Mobile Station Class</b>	Class B
<b>Compliant to GSM Phase 2/2+</b>	Class 4 (2W @850/ 900 MHz)  Class 1 (1W @1800/1900MHz)
<b>Supply Voltage Range</b>	3.3~4.6V 4.0V nominal
<b>Low Power Consumption</b>	1.1mA @ DRX=5 0.95mA @ DRX=9
<b>Operation Temperature</b>	-40 °C to +85 °C
<b>Dimensions</b>	29mm x 29mm x 3.6mm
<b>Weight</b>	Approx. 6g
<b>Control via AT commands (GSM 07.07 ,07.05 and other enhanced AT Commands)</b>	
<b>SIM Application Toolkit</b>	

### Specifications for Fax

Group 3, Class 1 & 2

### Specifications for Data

<b>GPRS Class 12</b>	Max. 85.6 kbps (uplink & downlink)
<b>PBCCH Support</b>	
<b>Coding Schemes</b>	CS 1, 2, 3, 4
<b>CSD</b>	Up to 14.4 kbps
<b>USSD</b>	
<b>Non Transparent Mode</b>	
<b>Protocols</b>	PPP TCP/IP HTTP FTP MMS

### Specifications for SMS via GSM / GPRS

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

### Specifications for Voice

<b>Speech Codec Modes</b>	Half Rate (HR)  Full Rate (FR) Enhanced Full Rate (EFR) AMR Half Rate AMR Full Rate
<b>Echo Arithmetic</b>	Echo Cancellation Echo Suppression Noise Reduction

### Hands-free Operation

### Interfaces

<b>External SIM</b>	3V/ 1.8V
<b>Analog Audio Interfaces</b>	Two channels
<b>RTC Backup</b>	
<b>Keypad Interface</b>	
<b>SD Card Interface</b>	
<b>Serial Port and Debug Port</b>	
<b>Antenna Pad</b>	
<b>GPIOs</b>	

### Driver

MUX Driver

### Compatibility

AT Cellular Command Interface

### Contact Us

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