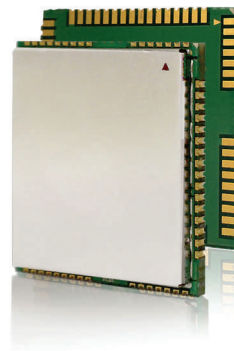


**QUECTEL**  
Wireless makes smarter

## M10

### Quad Band GSM/GPRS Module



Quad Band



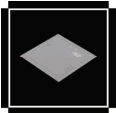
GPRS Multi-slot Class 12



Extended Temperature  
Range -45 °C to +85 °C



Highly Compact Size



SMD Type



Embedded TCP/IP stack



RoHS compliant



Serial Port  
Multiplexer (GSM0710)



Quectel Enhanced AT  
Commands

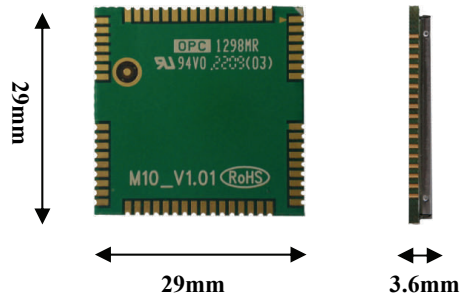
The M10 is a complete Quad-band GSM/GPRS solution in an SMD type which can be embedded in customer applications. Featuring an industry-standard interface, the M10 delivers GSM/GPRS 850/900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption.

With a tiny configuration of **29mm x 29mm x 3.6mm** (the thickness of PCB is 1.6mm), M10 can fit almost all the space requirements in your industrial application, such as M2M, Telemetry and other mobile data communication systems.

- Quad - band GSM/GPRS module with a size of 29mmx29mmx3.6mm
- SMD type suit for customer application
- Embedded powerful TCP/IP protocol stack
- Based on mature and field-proven platform, backed up by our support service, from definition to design and production

# M10

## Quad Band GSM/GPRS Module



### General features

<b>Quad-Band</b>	850/ 900/ 1800/ 1900 MHz
<b>GPRS multi-slot class</b>	12/10/8
<b>GPRS mobile station</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>	3.4~4.5 V 4.0V nominal
<b>Low power consumption</b>	1.1mA @ DRX=5 0.7mA @ DRX=9
<b>Operation temperature</b>	-45 °C to +85 °C
<b>Dimensions</b>	29mm × 29mm × 3.6mm
<b>Weight</b>	Approx 8 g
<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

### 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>Stack</b>	PPP stack TCP/IP stack

### Specifications for SMS via GSM / GPRS

Point-to-point MO and MT  
SMS cell broadcast

### 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
<b>Hands-free operation</b>	

### Interfaces

<b>External SIM</b>	3V/ 1.8V
<b>Analog audio interfaces</b>	Two channels
<b>RTC backup</b>	
<b>Keypad interface</b>	
<b>LCD interface</b>	
<b>Serial port and debug port</b>	
<b>Antenna pad</b>	
<b>Charge interface</b>	(Optional)
<b>GPIOs</b>	

### Drivers

MUX Driver

### Compatibility

AT cellular command interface

### Contact us

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