QUECTEL
Wireless makes smarter

M10
Quad Band GSM/GPRS Module
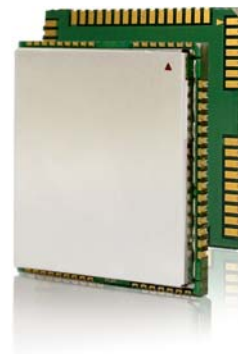
Quad Band	
GPRS Multi-slot Class 12	
Extended Temperature Range -45 °C to +85 °C	
Highly Compact Size	
SMD Type	
Embedded Internet Services Protocols	
RoHS Compliant	
Serial Port Multiplexer (GSM0710)	
Quectel Enhanced AT Commands	

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

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 extremely low power consumption. With a tiny configuration of **29mm x 29mm x 3.6mm,** 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
- 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

29mm

29mm

3.6mm

General Features

Quad-Band	850/ 900/ 1800/ 1900 MHz
GPRS Multi-slot Class	12/10/8
GPRS Mobile Station	class B
Compliant to GSM Phase 2/2+	Class 4 (2W @850/ 900 MHz)
	Class 1 (1W @1800/1900MHz)
Supply Voltage Range	3.4~4.5 V 4.0V nominal
Low Power Consumption	1.1mA @ DRX=5
	0.7mA @ DRX=9
Operation Temperature	-45 °C to +85 °C
Dimensions	29mm × 29mm × 3.6mm
Weight	Approx 6g

Control via AT commands (GSM 07.07 ,07.05 and other enhanced AT Commands)
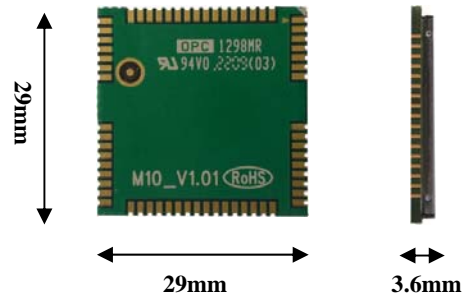
SIM Application Toolkit

Specifications for Fax

Group 3, Class 1& 2

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/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

Speech Codec Modes	Half rate (HR)
	Full rate (FR)
	Enhanced Full rate (EFR)
	AMR half rate
	AMR full rate
Echo Arithmetic	Echo cancellation
	Echo suppression
	Noise Reduction

Hands-free Operation

Interfaces

External SIM	3V/ 1.8V
Analog Audio Interfaces	Two channels
RTC Backup	
Keypad Interface	
LCD Interface	
Serial Port and Debug Port	
Antenna Pad	
Charge Interface	（Optional)
GPIOs	

Drivers

MUX Driver

Compatibility

AT Cellular Command Interface

Approvals

CE
FCC
GCF
PTCRB

Contact Us