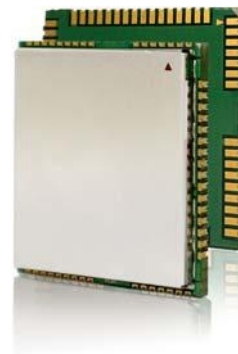


QUECTEL
Wireless makes smarter

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

General Features

Quad-Band	850/ 900/ 1800/ 1900 MHz
GPRS Multi-slot Class	12/10/8
GPRS Mobile Station Class	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

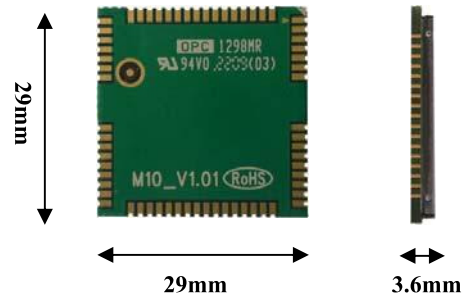
Group 3, Class 1 & 2

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

Address	Room 801, Building E, No.1618, Yishan Road, Shanghai, China
Email	info@quectel.com
Tel	+86 21 51082965

