

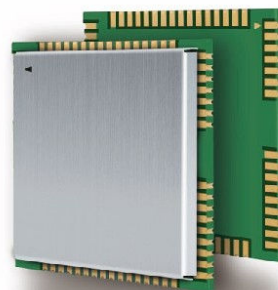


QUECTEL

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



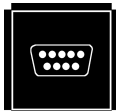
SMD Type



Embedded Internet
Services Protocols



RoHS Compliant



Serial Port
Multiplexer (GSM0710)



Quectel Enhanced AT
Commands

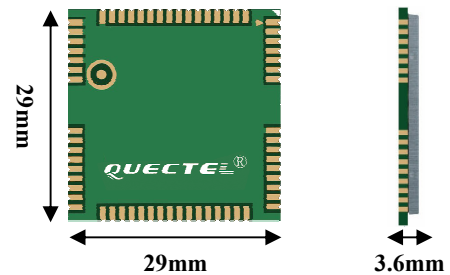
The M10 is a complete Quad-band GSM/GPRS solution in an SMD type which can be embedded in customer applications, offering the highest reliability and robustness.

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

Quad-Band	850/ 900/ 1800/ 1900 MHz
GPRS Multi-slot Class	12, 1~12 configurable
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	3.3~4.6V 4.0V nominal
Low Power Consumption	1.1mA @ DRX=5 0.95mA @ DRX=9
Operation Temperature	-40 °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	
SD Card Interface	
Serial Port and Debug Port	
Antenna Pad	
GPIOs	

Driver

MUX Driver

Compatibility

AT Cellular Command Interface

Contact Us

Address	Room 501, Building 13, No.99, Tianzhou Road, Shanghai, China
Email	info@quectel.com
Tel	+86 21 51086236

