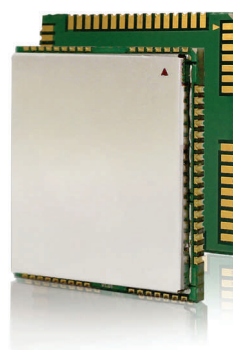


QUECTEL
Wireless makes smarter

M10 *Quad Band GSM/GPRS Module*



Quad Band



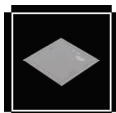
GPRS Multi-slot Class 12



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 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 suit 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 B | 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

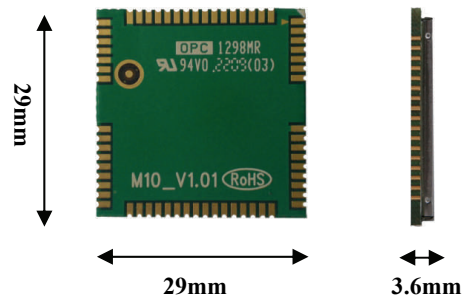
Group 3, class 1

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

Contact us

| | |
|----------------|---|
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