

M80

Quad Band GSM/GPRS Module

QUECTEL

Wireless Module Expert



Quad Band



Highly Compact Size



GPRS Multi-slot Class 12



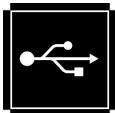
Extended
Temperature Range



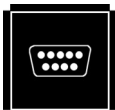
Dual SIM Card Interfaces



Micro SD Card Interface



USB Interface



Serial Port
Multiplexer (GSM0710)



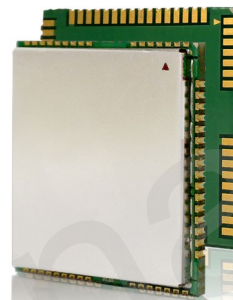
Embedded Internet
Services Protocols



Quectel Enhanced AT
Commands



RoHS Compliant



M80 is a complete Quad-band 850/900/1800/1900 GSM/GPRS surface mounted module. With LGA package technology, M80 provide the ultra tiny configuration of **23 x 25 x 2.6mm** and can be embedded in customer application, offering the highest reliability and robustness.

Featuring an industry-standard interface, M80 delivers GSM/GPRS performance for voice, SMS, Data and Fax with extremely low power consumption, extended temperature and compact profile. With especial abundant function interfaces and integrated protocols, M80 can fit into almost all the M2M applications, including VTS, Smart Metering, Wireless POS, Security and many other M2M applications.

M80 module offers fully integrated access to Quectel GPS receivers. An host-based GPS module is controlled through a single serial port, reducing cost and enabling short time-to-market.

- Quad-band GSM/GPRS module with a size of 23x25x2.6mm
- SMT interface 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

M80

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
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	TBD
Operation Temperature	-45 °C to +85 °C
Dimensions	23mm × 25mm × 2.6mm
Weight	Approx 4g (TBD)
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

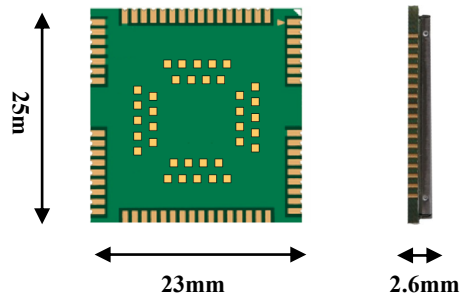
Specifications for Data

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 UDP FTP

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	2 interfaces, 3V/ 1.8V
Analog Audio Interfaces	2 interfaces
UART Interface	3 interfaces
Audio Interface	2 inputs, 3 outputs
Micro SD Card Interface	Up to 32GB (Optional)
USB Interface	
Camera Interface	0.3M VGA (Optional)
RTC Backup	
PCM Interface	Optional
Antenna Pad	
Charge Interface	Optional
Clock Output	
GPIOs	

Contact Us

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