Quectel M72

Dual-band
GSM/GPRS Module

Dual-band

GPRS Multi-slot Class 12

LCC Type

Embedded Internet Services Protocols

RoHS Compliant

Serial Port Multiplexer GSM 0710
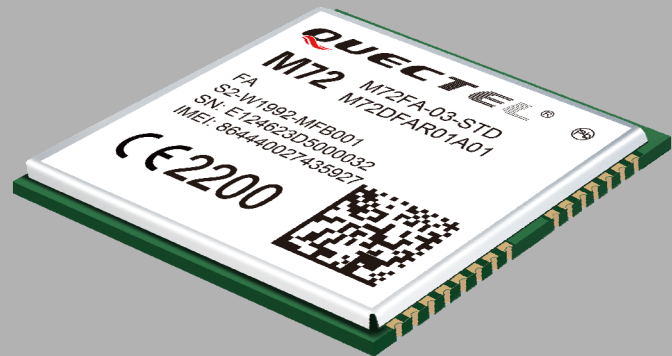
Extended Temperature Range -40°C to +80°C

Quectel Enhanced AT Commands

Key benefits

- Dual-band GSM/GPRS module
- Compact form factor of 27.5 x 24.0 x 2.7mm
- LCC type for easy SMT production
- Embedded powerful Internet service protocols
- QuecFOTA™

M72 is a high-performance and cost-effiecient Dual-band 900/1800 GSM/GPRS module based on the latest MTK chipset. Its slim and compact design are perfect fit for size-sensitive products.

M72 with LCC castellation package technology are surface mount package devices, which use metalized pads on the sides of the package. This kind of packaging makes it easily embedded in other applications and is ideally suitable for large-scale manufacturing which has the strict requirements for cost and efficiency.
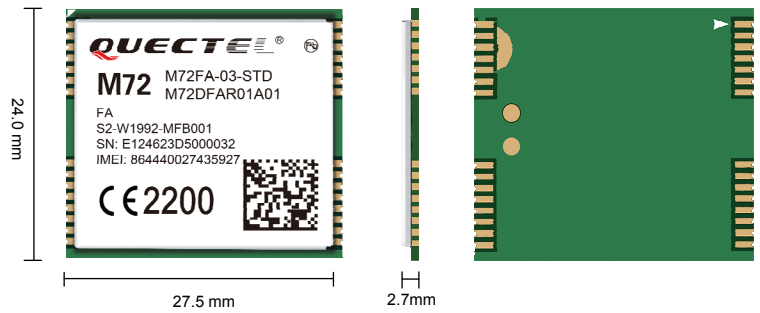
By adopting the highly integrated chipset solution, M72 module contains built-in Baseband, RF, Memory and PMU functional units in its compact form factor. Combining the industrial standard interface with GPRS Class 12 enabling speeds up to 85.6 kbps for in both up and down link, M72 offers extremely fast data speeds and high reliability for SMS and data transmission even under rugged conditions.

Built-in unique Over-the-Air firmware update by means of QuecFOTA software allows M72 to update the firmware remotely.

With its compact profile, extended operating temperature and integrated TCP/IP stack, M72 is perfect platform for both industrial and household applications such as smart meter, wireless POS, automotive and security system.

QUECTEL
Wireless Module Expert

Quectel M72
Dual-band
GSM/GPRS Module

M72FA-03-STD
M72DFAR01A01
FA
S2-W1992-MFB001
SN: E124623D5000032
IMEI: 864440027435927
CE 2200

24.0 mm
27.5 mm
2.7mm

General Features

Dual-band	900/ 1800 MHz
GPRS Multi-slot Class	12 (1~12 configurable)
GPRS Mobile Station	Class B
Compliant to GSM Phase 2/2+	Class 4 (2W @ 900 MHz) Class 1 (1W @1800 MHz)
Supply Voltage Range	3.3~4.6V 4.0V nominal
Power Consumption	1.3mA @ DRX=5 1.2mA @ DRX=9
Operation Temperature	-40 °C to +85 °C
Dimensions	27.5 x 24.0 x 2.7mm
Weight	Approx. 3.3g
Control via AT commands	GSM 07.07 ,07.05 and other enhanced AT Commands

Specifications for Data

GPRS Class 12	Max. 85.6 kbps (uplink & downlink)
PBCCH Support	
Coding Schemes	CS 1, 2, 3, 4
USSD	
Non Transparent Mode	
Protocols	PPP/ TCP/ UDP/ FTP/ HTTP/ SMTP/ MUX

Interfaces

External SIM	3V/ 1.8V
RTC Backup	
UART	Serial Port and Debug Port
Antenna Pad	

Enhanced Features

Jamming Detection

QuecFOTATM

DTMF Decoding

Certificates

CE GCF UCRF A-Tick

Specifications for SMS via GSM/GPRS

Point-to-point MO and MT

SMS Cell Broadcast

Text and PDU Mode Text and PDU Mode