

M95

Quad Band GSM/GPRS Module

QUECTEL

Wireless Module Expert



Quad Band



Highly Compact Size



GPRS Multi-slot Class 12



Extended
Temperature Range



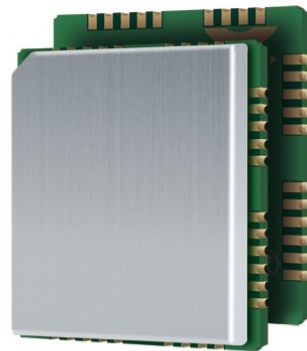
SMD Type



Serial Port
Multiplexer (GSM0710)



Embedded Internet
Service Protocols



M95, Quad-band GSM module, is one of the smallest cutting-edge products in the world. It adopts LCC package technology and offers the highest reliability and robustness. Depending on the ultra tiny configuration of **19.9x23.6x2.65mm** and easier soldering process, it is capable of being embedded in almost all customer applications.

Featuring an industrial-standard interface, M95 delivers GSM/GPRS performance for SMS, Data and Voice with extremely low power consumption and extended temperature. Extraordinarily compact size and integrated protocols ensure M95 easily meet the requirements of all M2M applications, including VTS, Industrial PDA, Personal Tracking, Wireless POS, Smart Metering and many other M2M applications.

- One of the smallest Quad-band GSM/GPRS modules
- Easier soldering process with LCC package
- Embedded Class-AB amplifier
- Power consumption below 1mA
- Embedded powerful Internet service protocols, multiple Sockets & IP addresses

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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 B
Compliant with GSM Phase 2/2+	Class 4 (2W @850/900 MHz) Class 1 (1W @1800/1900 MHz)
Supply Voltage Range	3.3~4.6 V 4.0V nominal
Low Power Consumption	0.9mA @DRX=5 0.7mA @DRX=9
Operation Temperature	-40 °C ~ +85 °C
Dimensions	19.9mm × 23.6mm × 2.65mm
Weight	Approx. 3g
Control via AT commands (GSM 07.07 ,07.05 and other enhanced AT Commands)	

Specifications for Fax

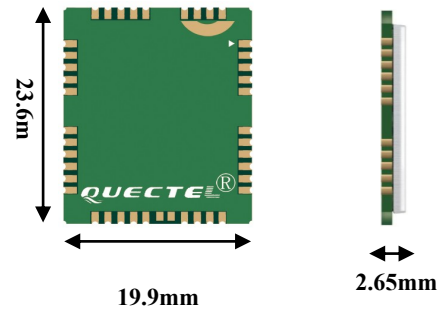
Group 3, Class 1& 2

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	
Protocols	PPP, TCP UDP, FTP HTTP, MUX

Specifications for SMS

Point-to-point MO and MT
SMS Cell Broadcast
Text and PDU Mode



Specifications for Voice

Speech Codec Mode	Half Rate (HR) Full Rate (FR) Enhanced Full Rate (EFR) Adaptive Multi-Rate (AMR)
Echo Arithmetic	Echo Cancellation Echo Suppression Noise Reduction

Interfaces

SIM/USIM	3V/1.8V
UART	2 interfaces
Analog Audio Channel	2 Embedded Class-AB amplifier
RTC Backup	
Antenna Pad	

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