







# M95 Quad Band GSM/GPRS Module







Quad Band



**Highly Compact Size** 





GPRS Multi-slot Class 12



Extended
Temperature Range



SMD Type



Serial Port Multiplexer (GSM0710) 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.

M95, Quad-band GSM module, is one of the smallest cutting-edge products in the world.

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



Embedded Internet Service Protocols

# M95

## 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 Class 4

Phase 2/2+ (2W @850/900 MHz)

Class 1

(1W @1800/1900 MHz)

Supply Voltage Range 3.3~4.6 V 4.0V nominal

Operation -40 °C ~ +85 °C

Temperature

**Dimensions** 19.9mm  $\times$  23.6mm  $\times$  2.65m

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** 

CSD CS 1, 2, 3, 4 Up to 14.4 kbps

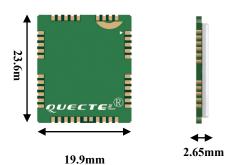
USSD

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 am-

plifier

RTC Backup Antenna Pad

#### **Contact Us**

Address No. 501, Building 13, No.99 Tianzhou

Road, Shanghai, China

Email <u>info@quectel.com</u>

Tel +86 21 51086236

