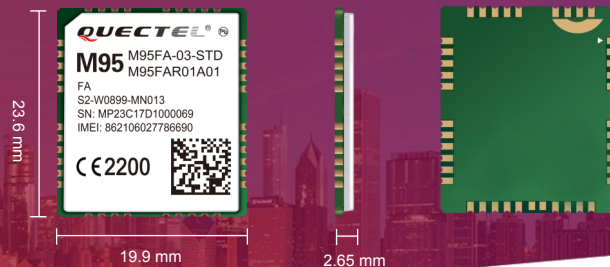


Quectel M95

Quad-band GSM/GPRS Module



Frequency Band

Quad-band:

850/ 900/ 1800/ 1900MHz

Data

GPRS Class 12:

Max. 85.6kbps (Uplink & Downlink)

PBCCH

Coding Schemes:

CS 1, 2, 3, 4

USSD

Non-transparent Mode

SMS

Point-to-point MO and MT

SMS Cell Broadcast

Text and PDU Mode

Voice

Speech Codec Modes:

Half Rate (HR)

Full Rate (FR)

Enhanced Full Rate (EFR)

Adaptive Multi-Rate (AMR)

Echo Arithmetic:

Echo Cancellation

Echo Suppression

Noise Reduction

Interfaces

(U)SIM Card Interface

× 2, (U)SIM 3.0V/ 1.8V

UART:

× 2

Analog Audio Channel:

× 2 (Embedded Class-AB Amplifier in One Channel)

PCM

RTC Backup

Antenna Pad

Enhanced Features

eCall

Jamming Detection

DTMF

Audio Play/ Audio Record

Dual SIM Single Standby

QuecFOTA™

QuecCell

QuecLocator

RIL for Android

MUX

Electrical & Sensitivity

Output Power

Class 4 (2W @850/ 900MHz)

Class 1 (1W @1800/ 1900MHz)

Consumption:

1.3mA @DRX=5

1.2mA @DRX=9

Sensitivity:

GSM850: -109dBm

GSM900: -109dBm

DCS1800: -109dBm

PCS1900: -109dBm

Supply Voltage:

3.3V ~ 4.6V, 1.0V T

Software Features

Protocols: PPP/ TCP/ UDP/ FTP/ HTTP/ SMTP/ GPRS/ L/ MUX

General Features

GPRS Multi-slot Class: 12, 1~12 Configurable

GPRS Mobile Station: Class B

Extended Temperature: -40°C ~ +85°C

Dimensions: 19.9mm × 23.6mm × 2.65mm

LCC Package

Weight: Approx. 3.0g

GSM 07.07, 07.05 and other Enhanced AT

Commands

Approvals

RoHS Compliant

CE/ GCF/ Vodafone/ UCRF/ ATEX/ Vodafone (Europe)

DoC (Russia)

FCC/ PTCRB/ IC/ Rogers (North America)

Anatel (Brazil)

CCC (Taiwan)

ICASA (South Africa)