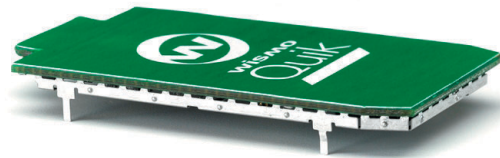




WISMO Quik

CDMA - Q2438

Hardware
Platform



ALL YOU NEED

Outfit your application with cutting-edge CDMA 2000™ 1xRTT technology by using the Wavecom Q2438 CDMA Module. This module supports key features including: gpsOne™, AMPS, IOTA, USB, OTASP, OTAPA, and BREW™.

Now you can launch your product virtually worldwide, wherever Cellular 800 or PCS 1900 MHz bands is supported, with the WISMO Quik Q2438. And you can do so in record time by choosing Wavecom's complete suite of hardware, software options, development tools and services optimized for different applications, carriers, and environments.

So choose the WISMO Q2438 module if you need high speed data capability, reliable performance and small size. This way, you're able to move from the drawing board, through design and into commercialization in record time.

CHOOSE RIGHT

Be Global

By using interchangeability with WISMO Quik GSM/GPRS Q24xx platforms.

Be Thin

By embedding a small, but a very powerful CDMA module into your size sensitive application.

Be Smart

By using the Q2438 which supports AMPS, gpsOne, BREW and USB – all in one. And by integrating gpsOne for vehicle security, fleet management, and asset tracking.

Be Compliant

By choosing Wavecom carrier certified solutions, meeting all your hardware, software, and services needs.

wavecom 

MAKE IT WIRELESS

WISMO Quik

SPECIFICATIONS

CDMA - Q2438



GENERAL SPECIFICATIONS

- Operating voltage: 3.8 V to 4.2 V (3.7 nominal)
- Max. Output Power: 0.63W AMPS; 0.35W CDMA
- Current consumption:
 - 4 mA(Sleep),
 - Up to 670 mA(PCS Rx/Tx full Power)
- Frequency bands:
 - CDMA Band Class 0 (Cellular 800MHz Band)
 - CDMA Band Class 1 (PCS 1900 MHz Band)
 - AMPS (Cellular 800MHz Band)
 - gpsOne (L1 1575.42MHz Band)

MECHANICAL

- Dimensions: 58.4 x 32.8 x 3.9 mm
- Weight: 11.6 g

INTERFACES

- 60 pin board to board connector providing:
 - Up to 2 serial UARTS
 - USB (external transceiver required)
 - 2 Analog audio (mic+speaker)
 - 3V with R-UIM detection (5V with external level shifter)
 - Power supply
 - 1 ringer/buzzer output
 - Keypad (5x5 matrix)
 - ADC
 - 31 GPIO
- Antenna:
 - U.FL connector

ENVIRONMENTAL

- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C
- ISO TS 16949 manufacturing

COMPLIANCE

- IEC950, UL950
- FCC Part 15B power supply, conducted requirements only,
- FCC Modular approval. FCC ID: O9EQ2438F-M
- CSA for Canada, Canada IC-133
- CDG 1, 2 (IS-98D, IS-898) and 3 (application specific)

CARRIERS CERTIFICATIONS

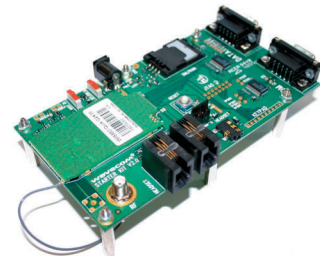
Q2438 is continuously being approved at all major CDMA operators worldwide. Please visit www.wavecom.com/approvals for updated list.

SOFTWARE SPECIFICATIONS

- CDMA2000 1xRTT protocol
- IS-95A/B: CDMA Protocol
- IS-637: Short Message Service
- IS-707- A. 4: Async data service, G3 Fax Service
- IS-707- A. 5: Packet Data Service
- J-STD-008: PCS protocol
- IS-96A: Voice signal coding
- IS-99: Circuit-switched data, Fax
- IS-657: Packet Data
- Over the Air - EIA-683A – OTASP, OTAPA
- IS-733 and IS-127: TTY/TTD
- Built-in TCP/IP
- Cellemetry
- Multiplexing (AT command set)
- DMSS SSL encryption
- Carrier support (Caller ID, Call Forwarding, Call waiting, 3 way calling, Air-link dormancy)

DEVELOPMENT KIT

- Interface Board
- Q2438 Module
- Serial cable
- Standard handset + cable
- Antenna and RF Adapter Cable
- Power supply



- Documentation on CD ROM

SUPPORT & SERVICES

Please visit www.wavecom.com/support for Design, Validation and Certification Services.

WAVECOM S.A. may, at any time and without notice, make changes or improvements to the products and services offered and/or cease producing or commercialising them.

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