WISMO Quik
GSM/GPRS Q2403 AND Q24x6 SERIES

FIT IT ANYWHERE, EVERYWHERE

Loaded with complete 2.5G GSM/GPRS voice and data capacity, the super-thin Q2403 and Q24x6 series are designed to fit your needs. From rough-and-tumble automotive to industrial applications, this is the platform that does it all.

The Q2403 and Q24x6 series offers the max in data flow with high-performance (GPRS Class 2 or Class 10). The ultra slim profile – less than 4 mm. thick – makes it easy to slip the Q2403 and Q24x6 series into any application. And you can't find a more reliable performer: millions of wireless devices and applications are operating WISMO Q2403 and Q24x6 series on GSM/GPRS networks worldwide.

These GSM/GPRS series are available in the following interchangeable dualband versions: Q2403 and Q2406 for 900/1800 MHz operations and Q2426 for the 850/1900 MHz bands. The WISMO Q2403, Q2406 and Q2426 are optimized for use as the best in class GSM/GPRS modules for wireless Automotive and Machine-to-Machine applications.

PROVEN PERFORMANCE WORLDWIDE

Save space
By using a super slim GSM/GPRS hardware platform

Rely on it
With a protocol stack delivering solid dependability in numerous applications on dozens of networks

Take it anywhere
Thanks to field-proven reliability in rugged automotive and Machine-to-Machine environments

Expand into new markets
By interchanging dualband versions to operate on all GSM/GPRS networks worldwide

Minimize your solution costs
By employing Open AT tools to embed your applications right on the modem using built-in spare processing capacity and memory

wavecom

PRODUCT FEATURES

Dual Band EGSM/GPRS module (EGSM 900/1800 MHz, EGSM 850/1900MHz) designed for M2M and automotive applications
Compliant with ETSI GSM Phase 2+ standard
Class 4 (2W @ 900 MHz)
Class 1 (1W @ 1800 MHz)
Power supply:
- 3.6 VDC (direct connection to Li-ion battery pack)
- 260 mA average current in voice communication (GSM 900, Pmax)
- 160 mA average current in voice communication (GSM 1800, Pmax)
- < 3,5 mA in idle mode

ENVIRONMENT AND MECHANICS

Operating temperature range: -20°C to +55°C
Storage temperature range: -30°C to +85°C
Overall dimensions: 58 x 32 x 3,9 mm
Weight: < 12g (including shielding)

INTERFACES

Antenna: RF Pad supporting coaxial cable
60 pins board to board connector including:
- 3V SIM interface with SIM detection
- 2 microphone inputs and 2 speaker outputs
- 1 SPI/I2C
- 10 input lines for 5x5 keypad
- 1 buzzer output
- 1 vibrator output
- 2 Analog to Digital Converters
- 2 RS-232 serial links (1 on Q2403)
- IrDA interface
- Battery charging interface

AT commands interface:
– GSM 07.05 and 07.07 AT commands
– comprehensive set of enhanced AT commands

Open AT APIs:
– numerous interfaces for embedded applications

SIM Toolkit release 99

APPROVALS

The modules are approved worldwide under test standards including:
Radio and Telecommunication Terminal Equipment (R&TTE), Global Certification Forum – Certification Criteria (GCF-CC), EMC, Safety and Chinese approvals

VOICE FEATURES

Voice features (GSM mode):
- Telephony, Emergency calls
- FR, EFR, HR, AMR*
- Echo Cancellation and Noise Reduction
- Full duplex handsfree
* on Q2426 only

DATA FEATURES

- Data circuit asynchronous, transparent and non transparent up to 14400 bits/s
- Fax group 3 (Class 1 and 2)
– GPRS packet Data features
- GPRS Class 2 (Q2403) or Class 10 (Q2406 and Q2426)
- Coding Schemes: CS1 to CS4
- PBCCH support

MESSAGE SERVICES

- Point to point (MT/MO) and Cell Broadcast
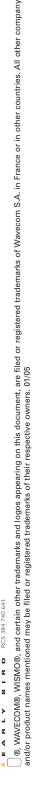
GSM SUPPLEMENTARY SERVICES

- Call Forwarding, Call Barring
- Multiparty
- Call Waiting, Call Hold
- USSD

ADDITIONAL PROTOCOLS

Q2406 and Q2426 only
- IP connectivity (TCP/IP with TCP/UDP sockets, POP3, SMTP, FTP)
- IBM WMQT (Websphere)
- Orange M2M Connect

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.

wavecom