

WISMO Quik

GSM/GPRS - Q2300 SERIES



THE ALL-PURPOSE GSM/GPRS SOLUTION

Access the full GSM/GPRS functionality of the WISMO Quik Q2300 Series and get your application to market quickly. With a full range of voice, data, fax and SMS options, the Q2300 Series can handle virtually any wireless application.

For machine-to-machine and automotive use, Wavecom's MUSE Platform Open AT software kit makes it simple to build interfaces between your application and the WISMO. You can even embed applications right on the WISMO itself.

Two memory size options allow you to choose the right capacity for your application. And stretch your business around the world with the WISMO Quik Q2300 dual band 900/1800 MHz and 900/1900 MHz versions.

UNPRECEDENTED FLEXIBILITY

Reduce time to market

by streamlining application development cycles and costs.

GSM/GPRS

packed into one small module provides all the wireless you need.

Rugged and reliable

WISMO Quik is optimal for any demanding environment.

Software development kits

enable developers to embed applications right on the WISMO.

Fully compatible and upgradeable

with future WISMO Quik series thanks to identical mechanical footprint and hardware and software interfaces.

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PLUG IN TO THE WIRELESS WORLD

WISMO Quik SPECIFICATIONS



The WISMO Quik Q2300 series is available in two versions:

- Q2303: 900/1800 GPRS Class 2
- Q2313: 900/1900 GPRS Class 2

PRODUCT FEATURES

Dual Band GSM/GPRS module (EGSM900/1800 MHz or EGSM900/1900 MHz)

Compliant with ETSI GSM Phase 2+ standard (Normal MS)

Class 4 (2W @ 900 MHz)

Class 1 (1W @ 1800/1900 MHz)

Power supply:

- 3.6 VDC (direct connection to Li-ion battery pack)
- 300mA average current in communication (GSM900, 0% DTX, Pmax)
- <3.5mA in idle mode (GSM)

Overall dimensions: 58 x 32 x 6.5mm

Weight: 20g (including shielding)

VOICE, GSM CIRCUIT DATA/FAX, GPRS PACKET DATA, SHORT MESSAGE SERVICES

Voice features (GSM mode):

- Telephony
- Emergency calls
- Full Rate, Enhanced Full Rate and Half Rate (FR/EFR/HR)
- Echo Cancellation and Noise Reduction (option)
- Dual Tone Multi Frequency function (DTMF)

GSM circuit Data/Fax features:

- Data circuit asynchronous, transparent and non transparent up to 14,400 bits/s
- Automatic fax group 3 (Class 1 and Class 2)
- MNP2, V.42bis

GPRS packet Data features:

- GPRS Class 2

Support of PBCCH / PCCCH

Coding Schemes: CS1 to CS4

Compliant with SMG32 – Release 97

Short Messages Services features (GSM or GPRS mode):

- Text and PDU
- Point to point (MT/MO)
- Cell Broadcast

GSM SUPPLEMENTARY SERVICES

- Call Forwarding
- Call Barring
- Multiparty
- Call Waiting and Call Hold
- Calling Line Identity
- Advice of Charge
- USSD
- Closed User Group
- Explicit Call Transfer

OTHER FEATURES

- ME+SIM phone book management
- Fixed Dialling Number
- SIM Toolkit Class 2
- SIM, network and service provider locks
- Real Time Clock
- Alarm management
- Software upgrade through Xmodem protocol
- UCS2 character set management

INTERFACES

Single antenna interface for 900 and 1800/1900 MHz

Single 60 pins board to board connector including:

- Power supply connection
- 3V SIM interface with SIM detection (5V SIM with external level shifter)
- 2 microphone inputs and 2 speaker outputs
- General Purpose I/Os
- General Purpose Serial Interface
- Analog to Digital Converter
- 10 input lines for 5x5 keypad
- 1 buzzer output
- RS-232 serial link supporting:
 - Remote control by AT commands (GSM 07.07 and 07.05)
 - Serial baud rate from 300 to 115,200 bits/s
 - Autobauding (300 to 38,400 bits/s)
- IrDA 1.2A protocol (using external IR transceiver)

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