

WISMO Quik

GSM/GPRS - Q2400 SERIES



CAREFREE GSM/GPRS CONNECTIVITY

Stacked with all the GSM/GPRS voice and data capacity you need, the super-thin WISMO Quik Q2400 Series is designed to fit anywhere, everywhere. And thanks to a full array of downloadable features and functions, you can bring state-of-the-art applications to market in record time.

Saddle-up your application with data connectivity right from the start! The Q2400 series offers the max in data flow with high-performance GPRS Class 10.

Board-to-board press-on contact simplifies the RF connection in production and enhances reliability. 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 Q2400 dual band 900/1800 MHz or quad band (850/900/1800/1900 MHz) versions.

PLENTY OF POTENTIAL

Super-thin profile

thanks to single-sided construction.

GSM/GPRS packed into one small module

provides all the wireless you need.

Board-to-board press-on contact

through the RF connection gives unmatched flexibility and reliability.

Two memory size options

allow you to choose how many extra features you want to strap on your application.

Fully compatible and upgradeable

with previous WISMO generations, the Q2400 offers the same mechanical footprint and hardware and software interfaces.

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PLUG IN TO THE WIRELESS WORLD

WISMO Quik SPECIFICATIONS



The WISMO Quik Q2400 series is available in two versions:

- Q2403: 900/1800 GPRS Class 2
- Q2486: 850/900/1800/1900 GPRS Class 10

PRODUCT FEATURES

Multi-Band GSM/GPRS module

- Dual-band EGSM900/1800 MHz
- Quad-band GSM850/900/1800/1900 MHz

Compliant with ETSI GSM Phase 2+ standard Class 4 (2W @ 850/900 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)

Dimensions: 58 x 32 x 3.9mm

Weight: 11g (including shielding)

Mechanical footprint, electrical and software interfaces fully compatible with Q2300 series.

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 or Class 10

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

- Antenna interfaces:
 - RF pads supporting coaxial cable
 - RF pads supporting board to board press-on contact (press-on electrical contact to be mounted on the host board)
- 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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