



WISMO Quik

GSM/GPRS Q3106

Hardware
Platform



FAT FREE GSM/GPRS

No matter how little space you have for your GSM/GPRS hardware, there's enough room for the ultra compact WISMO Quik Q3106. A mere 3 mm thick, the Q3106 is the right solution for your next handheld offering.

The WISMO Quik Q3106 combines tiny size with giant capabilities. In addition to high-performance GPRS Class 10, the Q3106 offers a parallel bus, enabling it to drive the most advanced LCDs and cameras. That means coupling with Java and multimedia imaging is simpler than ever. What is more, a single connector handles both digital and RF signals, for easy assembly and replacement.

Operating in the GSM/GPRS 900MHz and 1800 MHz bands, the WISMO Quik Q3106 is optimized for use as the hardware platform for Wavecom Feature Phones, Compact Phones, Starter Phones and PDA Development Labs.

LESS IS MORE

Fit it anywhere

Measures just 44 x 32 x 3 mm to fit easily into virtually any form factor

Snap it into place

A single connector handles both RF and digital signals

Drive advanced displays and cameras

The parallel bus drives LCDs with up to 262,000 colors

Make it easy

The fully-integrated package includes all the digital and analog technology you need

wavecom 

WIRELESS SOLUTIONS FOR EVERYONE

WISMO Quik SPECIFICATIONS GSM/GPRS Q3106



PRODUCT FEATURES

- Dual Band EGSM/GPRS component (EGSM 900/1800 MHz) designed for hand-held MS, wireless PDA
- 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)
 - < 2 mA in idle mode
- SIM Toolkit release 99

ENVIRONMENT AND MECHANICS

- Operating temperature range: -20°C to +55°C
- Storage temperature range: -30°C to +85°C
- Overall dimensions: 44x32x3 mm
- Weight: < 7g (including shielding)
- Manual connector insertion

INTERFACES

100 pin out board to board connector including:

- 50 ohm antenna interface
- 1.8V and 3V SIM interface with SIM detection
- 2 microphone inputs and 2 speaker outputs
- 2 SPI bus
- LCD 16 bit parallel bus (for TFT LCD 176x220, 262k colours)
- 10 input lines for 5x5 keypad
- 1 buzzer output
- 1 vibrator output
- 2 Analog to Digital Converters
- RS-232 serial link
- IrDA interface
- Battery charging interface

APPROVALS

The module is approved worldwide under test standards such as Radio and Telecommunication Terminal Equipment (R&TTE) and Global Certification Forum (GCF).

VOICE FEATURES

Voice features (GSM mode):

- Telephony, Emergency calls
- Full Rate, Enhanced Full Rate, Adaptive Multi-Rate (FR/EFR/AMR)
- Echo Cancellation and Noise Reduction
- Full duplex handsfree

DATA FEATURES

- GSM circuit Data/Fax features:
 - Data circuit asynchronous, transparent and non transparent up to 14400 bits/s
 - Automatic fax group 3 (Class 1 and Class 2)
- GPRS packet Data features:
 - GPRS Class 10
 - Coding Schemes: CS1 to CS4
 - PBCCH support
- Control via AT command for PDA and Vertical Applications.

MESSAGE SERVICES

- Point to point (MT/MO) and Cell Broadcast
- EMS
- MMS

GSM SUPPLEMENTARY SERVICES

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

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