iRZ Q2406B

Q2406B is a dual-band (900/1800 MHz) GSM modem. It supports GPRS class 10 and TCP/IP protocol stack. RS232 is the main interface; besides there are audio interface and 2 x GPIO. The main advantage of this model is the function of downloading the user-defined software developed in the OpenAT environment (C++ programming language). This function considerably extends modem functionality, and thereby, simplifies overall architecture of the system to be developed. Modem is controlled by a standard set of AT-commands and an embedded program. **Q2406B** is intended for use in telemechanic and telemetering systems, security and alarm systems, as well as in other systems in which wireless data transmission is required.

DUAL-BAND	GSM	GPRS CLASS 10
TCP/IP CONNECTIVITY	INDUSTRIAL INTERFACES	FAX FUNCTIONALITY
EXTENDED TEMPERATURE RANGE		

Frequency bands:

- GSM/GPRS 900/1800 MHz
- GPRS class 10

Communication standards:

- GPRS class 10 – up to 85.6 Kbps
- MS class B
- SMS: MT, MO, CB, Text and PDU modes
- USSD
- Fax – group 3: class 1

Features:

- TCP/IP stack
- Available network protocols:
TCP, UDP, HTTP, FTP, SMTP, POP3
- Control through AT commands
(Hayes 3GPP TS 27.007, TS 27.005)
- SIM applications toolkit
- OpenAT support (C++ programming language):
  - Core: ARM7
  - Memory: 4 Mb SRAM (32/4), 32 Mb Flash
- Voice support
- Voice Communications:
  - HR/FR/EFR/AMR speech coding
  - Hands-Free based operations
  - Noise reduction function, echo suppression

Connectors and interfaces:

- Micro-Fit 4 connector (power supply, GPIO, INTR)
- DB15 connector to connect a communication cable (RS232 interface, audio interface)
- SMA jack to connect a GSM antenna

Electrical characteristics:

Voltage: 9 – 30 V
Maximum current:
- 200mA at 12V
- 100mA at 24V

Physical characteristics:

Aluminum casing;
Dimensions: 76 x 77 x 31 mm max;
Weight: 100 g max;
Operating temperature range: -20°C to +50°C