



RB800L-IO

Programmable LTE Cat. 1 modem with GPIO

The **RB800L-IO terminal** is the complete modem solution designed for wireless IoT applications. Built around a high-quality module, it delivers robust LTE Cat. 1 connectivity with 2G fallback. It is housed in a compact, durable enclosure and equipped with RS232, USB interfaces, and GPIO functions. It ensures seamless integration across a wide range of machines and systems, supported by its small footprint and broad supply voltage range.

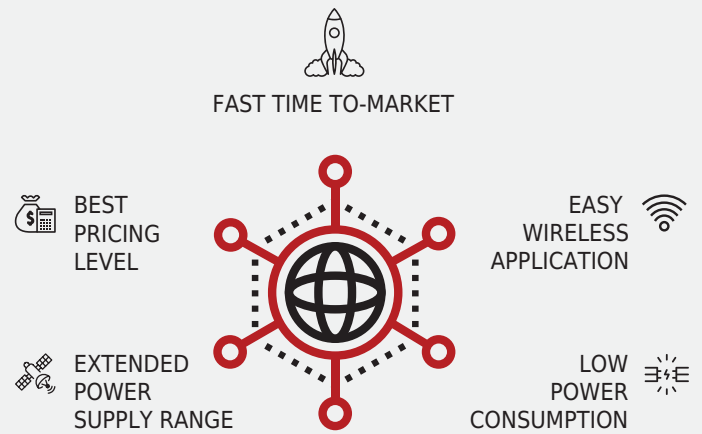
Modem supports high-speed data transmission, SMS functionality and is programmable via Python, offering flexibility for custom solutions. The RB800L-IO is an ideal solution for all IoT and mobile data applications, including smart metering, traffic management, transportation, logistics, security, vending machines and facility management.

The RB800L-IO modem

This IoT/M2M-optimized modem can be controlled and configured using standard AT commands and programmed in Python language. It is powerful solution thanks to which you can easy migrate between 2G and 4G networks to meet the needs of different industry applications.

The RB800L-IO terminal is enhanced by a suite of Internet protocols, industry-standard interfaces, GPIO signals and extensive functionality. This broad compatibility expands its versatility, making it an ideal choice for a diverse range of M2M and IoT applications, such as Point of Sale (POS), Electronic Toll Collection (ETC), shared equipment, data cards, energy control, security and protection systems.

KEY BENEFITS



FEATURES

LTE Cat. 1 with fallback to 2G (Quad band)
 AT commands and Python interpreter
 RS232/RS485*/USB interfaces
 7 x GPIO
 3.0V/1.8V SIM card interface, eSIM*

* - option

Network	Model	Speed (max.)	Interface			eSIM	Python	GPIO
			RS232	RS485	USB			
LTE	RB800L-IO	LTE FDD: 10Mbps, EDGE: 296Kbps	•	◦	•	◦	•	x7

• support ◦ option – not support

SPECIFICATION:

- LTE Cat. 1: B1/B3/B5/B7/B8/B20/B28
- Quad-band GSM: B2/B3/B5/B8
- Control using AT commands or Python script
- RS232, RS485 (optional), USB
- 7 x GPIO: 2 x open drain output, 1 x open collector input, 2 x ADC 0-30V, 2 x general output 0-1.8V
- Protocols: TCP, UDP, PPP, NITZ, PING, FILE, MQTT, NTP, HTTP, HTTPS, SSL/FTP, FTSP, CMUX, MMS
- 1 x SIM card, eSIM with SIM switch (optional)
- Customized connection and power supply cables
- Power supply from 5 to 30V DC
- Aluminum housing
- Dimensions: 83 x 53.3 x 26 mm)
- DIN rail mounting
- Wall mounting
- IP30