# RB800

PROGRAMMABLE, LOW COST GSM/GPRS/UMTS TERMINALS

**TELE⦿RIGIN**
UNIQUE TECHNOLOGY FOR TELEMETRY

The RB800 terminal series is the complete modem solution for wireless m2m applications. Based on the high quality module, it is available as DUAL or QUAD band versions and offers high level GSM/GPRS/UMTS features in a compact aluminum housing with all the standardized interfaces and optionally GPIO, SD memory card, backup battery or dual SIM option. Together with its small size and wide supply voltage range, it makes it easy to integrate into all kinds of machines.

## THE RB800 MODEM SERIES

The RB800 modem series enabling voice, eCall, data, SMS and fax communication is a universal solution for all low-volume M2M and mobile data applications including metering, traffic systems, transportation and logistics, security, vending machines, and facility management.

The device can be controlled by standard AT commands or by customer's application inside (embedded Python Script Interpreter), thus making it the smallest, complete SMT platform for M2M solutions.

# KEY BENEFITS

**FAST TIME TO-MARKET**

**BEST PRICING LEVEL**

**EASY WIRELESS APPLICATION**

**EXTENDED POWER SUPPLY RANGE**

**LOW POWER CONSUMPTION**

## FEATURES

RS232 & USB interfaces
Audio support
SMA antenna
Dual SIM, GPIO, SD card, Battery
Telit AT command set
Python Script Interpreter
m2mLOCATE, m2mAIR, m2mCLOUD

## SPECIFICATION:

- Ideal for connecting devices with RS232 or RS485:
  - Vending Automation - Indutrial control
  - Sensors - Alarms
  - Telemetry - Remote control
- Serial UART or USB interface
- SMA antennas connector

- Power supply from 5 to 30V DC
- Extremely compact (only 83 x 53.3 x 26 mm)
- Quad Band = can be used worldwide
- Perfect with customer APN and m2mAIR SIM cards
- Embedded TCP/IP and UDP stacks
- Control via AT commands or Python application

## OPTIONAL ACCESSORIES:

- External antenna
- Power supply and customized connection cable
- Optional internal backup battery
- DIN mounting
- Wall mounting

| Network | Model | Speed | Interface | | | GPIO | | Dual SIM | SD card | Function | | | Python | Audio | Battery |
|---------|-------|-------|-----------|---|---|------|---|----------|---------|----------|---|---|--------|-------|---------|
| | | | RS232 | RS485 | USB | In / Out | Analog in | | | SMS | Email | CSD | | | |
| **2G** | RB800 | 85.6 kBit/s | ● | ○ | - | - | - | ○ | - | ● | ● | ● | ● | ● | - |
| | RB800-IO | 85.6 kBit/s | ● | ○ | - | 7 | ○5 | ○ | - | ● | ● | ● | ● | ● | ● |
| | RB800-M | 85.6 kBit/s | ● | ○ | - | - | - | ○ | ● | ● | ● | ● | ● | ● | - |
| | RB800-IO-M | 85.6 kBit/s | ● | ○ | - | 7 | ○5 | - | ● | ● | ● | ● | ● | ● | ○ |
| | RB800WR | 85.6 kBit/s | ● | ○ | - | - | - | ○ | - | ● | ● | ● | ● | ● | - |
| **3G** | RB800U | 7.2 Mbit/s | ● | ○ | ● | - | - | ○ | - | ● | ● | - | ● | - | - |
| | RB800U-M | 7.2 Mbit/s | ● | ○ | ● | - | - | ○ | ● | ● | ● | - | ● | - | - |
| | RB800U-IO | 7.2 Mbit/s | ● | - | ● | 7 | ○5 | - | - | ● | ● | - | ● | - | ○ |

● support    ○ option    - not support

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