

## RB900

programmable, low cost GSM/GPRS/UMTS/LTE terminals



The **RB900** terminal series is the complete modem solution for wireless m2m applications. Based on the high quality module, it is available as QUAD or PENTA band versions and offers high level GSM/UMTS/HSPA+/LTE features in compact aluminum housing with all the standardized interfaces and optionally GPIO, SD memory card, backup battery, GPS receiver or dual SIM option. Together with its small size and wide supply voltage range, makes it easy to integrate into all kinds of machines.

The **RB900** modem series enabling TCP/IP, UDP, SMS, MMS 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.

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

### Key benefits

### Features

Best pricing level

RS232 & USB interfaces

Fast Time-To-Market

SMA antenna

Easy wireless application

GPIO, SD card, GPS, Battery

Extended power supply range

Telit AT command set

Low power consumption

Python Script Interpreter or "C"

m2mLOCATE, m2mAIR, m2mCLOUD



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## Specification:

- Ideal for connecting devices with RS232 or RS485:
  - Vending Automation
  - Industrial control
  - Sensors
  - Alarms
  - Telemetry
  - Remote control
- 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/C application
- UMTS, HSPA+ or LTE up to 100 Mbit/s
- Serial UART or USB interface
- SMA antennas connector
- Power supply from 5 to 30V DC



## Optional accessories:

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



• DIN mounting



• Wall mounting

| Network | Name        | Speed       | Interface |       |     | GPIO     |     | Dual SIM | SD | Function |     |     |        | Program |   | Bat | GPS |
|---------|-------------|-------------|-----------|-------|-----|----------|-----|----------|----|----------|-----|-----|--------|---------|---|-----|-----|
|         |             |             | RS232     | RS485 | USB | In / Out | SMS |          |    | Email    | MMS | CSD | Python | C       |   |     |     |
| 2G      | RB900       | 85.6 kBit/s | ●         | -     | ●   | -        | ○   | -        | ●  | ●        | ●   | ●   | ●      | ●       | - | ○   |     |
|         | RB900-IO    | 85.6 kBit/s | ●         | -     | ●   | 7        | -   | -        | ●  | ●        | ●   | ●   | ●      | ●       | ○ | ○   |     |
|         | RB900-M     | 85.6 kBit/s | ●         | -     | ●   | -        | ○   | ●        | ●  | ●        | -   | ●   | ●      | ●       | - | ○   |     |
|         | RB900MODBUS | 85.6 kBit/s | ○         | ●     | ●   | -        | ○   | -        | ●  | ●        | ●   | ●   | -      | ●       | - | ○   |     |
| 3G      | RB900U      | 7.2 Mbit/s  | ●         | -     | ●   | -        | ○   | -        | ●  | ●        | ●   | -   | ●      | ●       | - | ○   |     |
|         | RB900U-IO   | 7.2 Mbit/s  | ●         | -     | ●   | 7        | -   | -        | ●  | ●        | ●   | -   | ●      | ●       | ○ | ○   |     |
|         | RB900U-M    | 7.2 Mbit/s  | ●         | -     | ●   | -        | ○   | ●        | ●  | ●        | -   | ●   | ●      | ●       | - | ○   |     |
| 4G      | RB900L      | 100 Mbit/s  | ●         | -     | ●   | -        | ○   | -        | ●  | ●        | ●   | -   | -      | ●       | - | ○   |     |

● support ○ option - not support