RB900SG

UNIVERSAL MODEM FOR ENERGY APPLICATIONS

TELEORIGIN
UNIQUE TECHNOLOGY FOR TELEMETRY

The RB900SG terminal is the complete modem solution
for wireless m2m applications. It is based on the high quality
module and offers LTE 450 MHz, M1, NB1, LTE Cat. 4/Cat. 1 features
in a compact plastic housing with RS232/RS485/RS422 interfaces.
Together with its small size and wide supply voltage range,
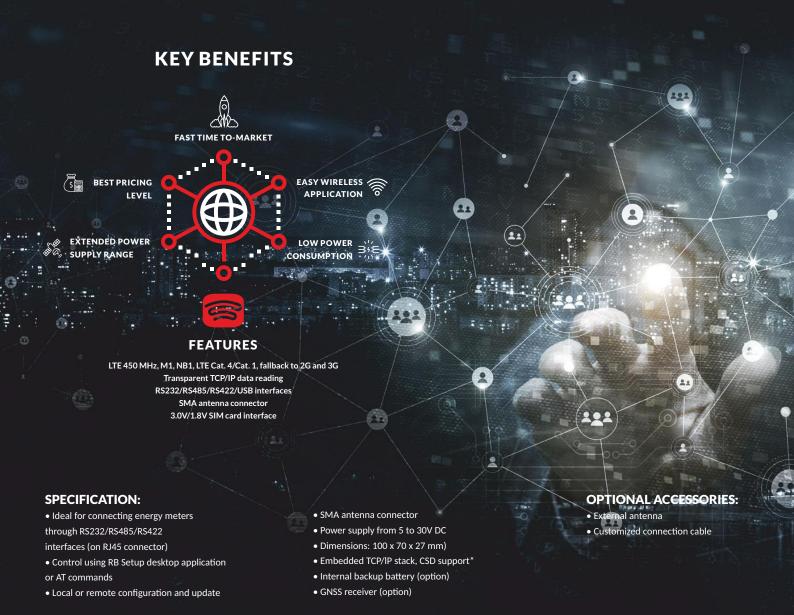it makes it easy to integrate into energy meters.

THE RB900SG MODEM

The RB900SG modem incorporating SMS and TCP/IP communication

is the universal solution for M2M communication and mobile applications

used to transfer the data from devices (energy meters) connected through a serial port.

The device can be controlled and
configured using standard AT commands,
Teleorigin RBSetup program or remotely

KEY BENEFITS

FAST TIME TO-MARKET

BEST PRICING LEVEL

EASY WIRELESS APPLICATION

EXTENDED POWER SUPPLY RANGE

LOW POWER CONSUMPTION

FEATURES

LTE 450 MHz, M1, NB1, LTE Cat. 4/Cat. 1, fallback to 2G and 3G
Transparent TCP/IP data reading
RS232/RS485/RS422/USB interfaces
SMA antenna connector
3.0V/1.8V SIM card interface

SPECIFICATION:

• Ideal for connecting energy meters
through RS232/RS485/RS422
interfaces (on RJ45 connector)
• Control using RB Setup desktop application
or AT commands
• Local or remote configuration and update

• SMA antenna connector
• Power supply from 5 to 30V DC
• Dimensions: 100 x 70 x 27 mm)
• Embedded TCP/IP stack, CSD support*
• Internal backup battery (option)
• GNSS receiver (option)

OPTIONAL ACCESSORIES:

• External antenna
• Customized connection cable

Network	Model	Speed (max.)	Interface		eSIM	Int. antenna	GNSS
			RS232/RS485/RS422	USB			
LPWA	RB900SG-L2	Cat M1: 375Kbps, Cat NB1: 32Kbps EDGE: 296Kbps	●/●/●	●	○	●	○
	RB900SG-L5	Cat M1: 588Kbps, Cat NB2: 127Kbps EDGE: 296Kbps	●/●/●	●	○	●	○
4G	RB900SG-E5	LTE FDD: 150Mbps, HSDPA: 42Mbps EDGE: 296Kbps	●/●/●	●	○	●	-
	RB900SG-E1	LTE FDD: 10Mbps, HSDPA: 42Mbps EDGE: 296Kbps	●/●/●	●	○	●	-
3G	RB900SG-U6	HSDPA: 7.2Mbps, EDGE: 296Kbps	●/●/●	●	○	●	-
	RB900SG-U5	HSDPA: 7.2Mbps, EDGE: 236.8Kbps	●/●/●	●	○	●	-
2G	RB900SG-M5	GPRS: 85.6kbps	●/●/●	●	○	●	-

● support   ○ option   - not support