SG140

Modem designed for Sagemcom meters

Purpose

The SG140 is a terminal used for remote data transmission via the GSM network. It is adapted to work with Sagemcom meters and can be mounted in the original meter's terminal cover. Data is read from the meter via the RS485 serial interface. Thanks to the proven LTE technology, the SG140 modem is an ideal solution for energy applications.
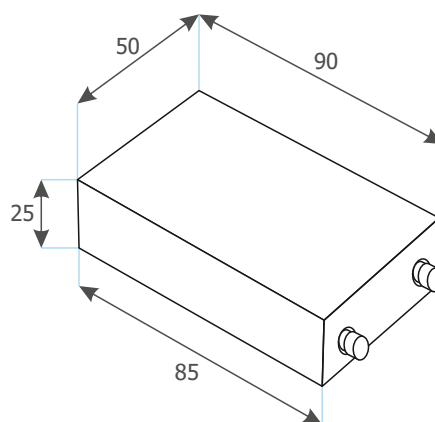
Functionality

- Data transmission from the RS485 serial interface
- Support for TCP/IP, UDP/IP, ICMP protocols
- Extended internal event log
- Internal real-time clock with synchronization capability using NTP server or GSM network time
- Proprietary algorithm verifying the integrity and quality of the radio link
- Configuration without connecting to the main power supply (using USB power)
- Support for Sagemcom's authentication mechanism based on HMAC-SHA256
- Remote and local access to device configuration (password-protected)
- Capability for local and remote firmware updates
- Support for Lightweight M2M protocol

Specifications

- Radio module operating in 2G (B3/B8), 3G (B1/B8), and 4G (B1/B3/B7/B8/B20/B28A) technologies
- Dimensions: 90x50x25 mm, modem adapted for mounting under the meter's terminal cover
- Operating temperatures: -40°C to 70°C
- Power supply: 12V DC, maximum power consumption 3W
- Non-conductive enclosure
- LED indicator showing device operation status
- Dedicated meter interface providing power and communication (RJ12 connector)
- Configuration interface (mini USB 2.0)
- Antenna ports (2 x female SMA connector)
- SIM card slot (2FF USIM format)

50
90
25
85

Dimensions in mm