

CU-E57C-2G_3G_4G-RS485

Modem designed for L+G meters

Purpose

CU-E57C-2G_3G_4G-RS485 is a wireless terminal providing remote communication to Landis+Gyr E570 meters. Developed in collaboration with the meter manufacturer, it guarantees full compatibility in terms of installation, power supply, and communication. Leveraging proven wireless technology, the CU-E57C-2G_3G_4G-RS485 modem ensures fast, stable, and reliable data transmission from distributed reading points to the central system.

Functionality

- Transparent data transmission from the meter 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
- Algorithm verifying the integrity and quality of the radio link with the ability to switch the active SIM card
- Configuration without connecting to the main power supply (using USB power)
- Password-protected device configuration access
- Capability for local and remote modem firmware updates
- Support for the Lightweight M2M protocol



Specifications

- Radio module operating in 2G (B3/B8), 3G (B1/B8), and 4G (B1/B3/B7/B8/B20/B28A) technologies.
- Dimensions: 108x53x22 mm, modem adapted for installation in a special meter slot
- Operating temperatures: -40°C to 70°C
- Power supply: from 3.8VDC, max power consumption: 3W

Device components layout:

1. SMA connector for auxiliary antenna
2. LED indicator showing device operation status
3. Additional RS485 serial interface connector (RJ12)
4. LED indicator showing signal strength
5. SMA connector for main antenna
6. SIM2 card slot (2FF USIM format)
7. USB configuration interface
8. Modem nameplate
9. Dedicated meter interface (power supply and communication)
10. SIM card slot (2FF USIM format)

