

## Telic LT910-EUbis

### LTE Cat.1 bis Terminal for cost-optimized application

The LT910-EUbis is a compact and robust IoT terminal designed for the use in the LTE network with fallback to the GSM network. The device is based on the Telit LE910R1-EU module and is an industrial-grade, cost-optimized LTE Cat 1bis Terminal for the use in the European region.

The terminal provides industrial standard interfaces and provides the ability for a safe, fast and reliable data transfer. The integrated power-saving mode supports the use in applications where low power consumption is required.

The LT910-EUbis terminal is ideal for use cases that require higher performance compared to Cat M1 and NB-IoT in terms of data rate, latency and mobility.

#### Key features

- Based on Telit LTE Cat. 1 bis module LE910R1-EU with GSM fallback
- Interfaces: Power supply; SIM card holder lockable; FME antenna connector; RS232 (V.24/V.28) on Sub-D; USB
- Supply Voltage: 7-32V DC
- Operation temperature: -30°C - +75°C
- Support of low-power mode
- Robust & compact housing for industrial use
- Housing is mechanically compatible with GT910-G, HT910-E (G), LT910-WW (E), NT910-G
- Firmware Over-The-Air (FOTA) Update
- Optional variants on request: e.g. USB powered
- Extensive range of accessories

#### Sample applications

- Monitoring of vending machines
- Monitoring of data from industrial plants
- Intelligent control and monitoring of power grids
- Transmission of meter readings from electricity, gas, and water meters
- Live transmission of video images
- Monitoring of heating, ventilation and air conditioning



## Technical specification

### General features

- Module designation: Telit LE910R1-EU
- LTE FDD Cat.1 bis, 3GPP release 10 compliant
- **4G frequency bands:** B1//B3//B7/B8//B20/B28
- **2G frequency bands:** B3/B8
- Supply voltage range: 7-32V DC
- Power consumption (@12V)
  - Active Mode: tbd
  - Sleep Mode: tbd
- Operational temperature range: -30 °C to + 75 °C
- IP protection class: IP40
- Dimensions: 77 x 66 x 26mm
  - Weight: approx. 91g

### Data transmission rates

- LTE Cat. 1 bis
  - Uplink up to 5 Mbps
  - Downlink up to 10 Mbps

Functionality	Interfaces	Approvals
<ul style="list-style-type: none"> <li>▪ Built in UDP/TCP/PPP/HTTP/HTTPS/NT P/FTP stack</li> <li>▪ IPv4/IPv6 stack</li> <li>▪ Control via AT commands according to 3GPP</li> <li>▪ TS 27.005, 27.007 and Telit custom AT commands</li> <li>▪ SIM application Tool Kit 3GPP TS 51.01</li> </ul>	<ul style="list-style-type: none"> <li>▪ Power connector 6P6C modular jack</li> <li>▪ RS-232 interface DSUB 9-pin female</li> <li>▪ USB 2.0, connector mini USB</li> <li>▪ Antenna connector FME (male)</li> <li>▪ SIM card holder (Mini) - 1.8V and 3.0 V</li> <li>▪ SIM chip option</li> <li>▪ 3 Status LEDs</li> </ul>	<ul style="list-style-type: none"> <li>▪ CE</li> <li>▪ WEEE, RoHS and REACH compliant</li> </ul>

### Accessories (example)



Power supply



Stub antenna



Roof screw antenna



Magnetic base antenna