Telic LT910-WW IoT terminal

LTE Cat.1 terminal for worldwide use

The LT910-WW is a compact and robust IoT terminal designed for the use in the LTE network with fallback to the UMTS / GSM network. The device is based on the Telit LE910C1-WWX module and supports a large number of LTE frequency bands and therefore can ideally be used in applications with a global footprint.

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

The LT910-WW terminal is the quickest way to integrate wireless connectivity in your global IoT application.

Key features

- Based on Telit LTE Cat. 1 module LE910C1-WWX with UMTS/GSM fallback

- 16 LTE frequency bands for global use across EMEA/North America/APAC/LATAM

- Interfaces: Power supply; SIM card holder lockable; FME antenna connector; RS232 (V.24/V.28) on Sub-D; USB

- Supply Voltage: 5-32V DC

- Operation temperature: -30°C - +80°C

- Support of low-power mode

- Robust & compact housing for industrial use

- Housing is mechanically compatible with GT910-G, HT910-E (G), LT910-E

- 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: LE910C1-WWX (Telit)
- LTE FDD Cat.1, 3GPP release 10 compliant
- **4G frequency bands:**
  B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B18/B25/B26/
  B19/B20/B28
- **3G frequency bands:**
  B1/B2/B4/B5/B6/B8/B19
- **2G frequency bands:**
- B2/B3/B5/B8
- Supply voltage range: 5-32V DC
- Power consumption (@12V)
  - Active Mode: tbd
  - Sleep Mode: tbd
- Operational temperature range: -30°C to + 80°C
- IP protection class: IP40
- Dimensions: 77 x 66 x 26mm
  - Weight: approx. 91g

Data transmission rates

- LTE Cat. M1
  - Uplink up to 10 Mbps
  - Downlink up to 5 Mbps

Functionality	Interfaces	Software	Approvals
- Built in UDP/TCP/FTP/SMTP stack - IPv4/IPv6 stack - Control via AT commands according to 3GPP - TS 27.005, 27.007 and Telit custom AT commands - SIM application Tool Kit 3GPP TS 51.014 - OMA-DM Telit Software Management	- Power connector 6P6C modular jack - RS-232 interface DSUB 9-pin female - USB 2.0, connector mini USB - Antenna connector FME (male) - SIM card holder (Mini) - 1.8V and 3.0 V - SIM chip option - 3 Status LEDs	- Telit application development environment: AppZone C	- CE - WEEE, RoHS and REACH compliant

Accessories (example)

Power supply   Stub antenna   Roof screw antenna   Magnetic base antenna