# Telic GT910-G IoT terminal

## GSM / GPRS terminal for industrial applications

The GT910-G is a compact and robust IoT terminal that uses GSM/GPRS technology to transmit data. The device is based on the Telit GE910-QUAD module which can be used worldwide, since it supports all defined GSM frequency brands.

The terminal provides industrial standard interfaces and guarantees safe, fast and reliable data transfer in the 2G network. The integrated power-saving mode supports the use in applications where low power consumption is required.

The GT910-G terminal is the quickest way to integrate wireless connectivity in your global IoT application.

## Key features

- Based on Telit Quad Band module GE910-Quad with GSM / GPRS technology

- 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 - +75°C

- Support of low-power mode

- Robust & compact housing for industrial use

- Housing is mechanically compatible with NT910-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

- Monitoring of heating, ventilation and air conditioning

# Technical specification

## General features

- Module designation: GE910-QUAD (Telit)
- Quad-band GSM | GPRS, Quad Band GPRS class 10
- **GSM / GPRS bands:** GSM(850) / EGSM(900) / DCS(1800) / PCS(1900)
- Supply voltage range: 5-32V DC
- Power consumption (@12V)
  - Active Mode: ~19mA
  - Sleep Mode: ~2mA
- Operational temperature range: -30°C to + 75°C
- IP protection class: IP40
- Dimensions: 77 x 66 x 26mm
- Weight: approx. 91g

## Data transmission rates

- GSM
  - Uplink up to 960 MHz
  - Downlink up to 915 MHz

| Functionality | Interfaces | Software | Approvals |
|---|---|---|---|
| - Built in UDP/TCP/FTP/SMTP stack<br>- IP stack with TCP and UDP protocol<br>- Standard and extended AT command set<br>- SIM application Tool Kits 3GPP TS 51.014<br>- Wireless firmware upgrade (FOTA)<br>- Real time clock: With alarm function | - Power connector 6P6C modular jack<br>- RS-232 interface DSUB 9-pin female<br>- USB 2.0, connector mini USB<br>- Antenna connector FME (male)<br>- SIM card holder (Mini) - 1.8V and 3.0V<br>- SIM chip option<br>- 3 Status LEDs | - Programming language: Python or C, APIs for Telit AppZone | - CE<br>- WEEE, RoHS and REACH compliant |

## Accessories (example)

Power supply          Stub antenna          Roof screw antenna          Magnetic base antenna