

# HT910 G

## The penta band HSPA+ terminal for global markets and high bandwidth applications

The HT910 G is a self-contained terminal featuring the latest technology from Telit.

As a penta-band UMTS and quad-band GSM terminal operating in all defined GSM and UMTS frequency bands, it can be deployed on a worldwide basis. By supporting up to 21 Mbps in the downlink, it provides investment protection for applications for which bandwidth requirements will increase in the future.

HT910 G is targeted towards System Integrators developing M2M applications that require access to 3G networks not only for high-speed connections, but that also require 3G to future-proof their applications or have additional data carrier options in order to improve the reliability of their applications. Therefore, both interfaces RS232 for standard industry applications as well as USB 2.0 for high-speed connections are supported.

Additionally, the HT910 E is one of very few terminals on the market which offers programming capabilities using the Python scripting language, thus giving System Integrators an additional layer of flexibility.

### Key Benefits

- Deploy your solution in all markets, including the Americas.
- Long-term protection of your investments by having the ability to scale up the data rate of your applications.
- Use RS232 or USB 2.0 interface depending on your application's needs.

### Key Features

- Quad band GSM & penta band HSPA+ terminal
- Telit AT command set
- HSPA: DL 21 Mbit/s; UL: 5.7 Mbit/s
- RS232 interface
- USB 2.0
- 1 analogue input

### Sample applications

- High-bandwidth digital signage
- Remote video surveillance with event-based alarming
- Bulk data transmission (e.g. traffic statistics)



### GSM / GPRS

- GSM / GPRS Frequency Band: Quad Band (850 / 900 / 1800 / 1900MHz)
- Output power: Class 4 (2W) for GSM900
- Output power: Class 1 (1W) for GSM1800
- GPRS

### EDGE

- EDGE DL / UL Datarate: 296 / 237 kbps
- EDGE: Uplink up to 236.8 kbps: 237 kbps
- Output power: Class E2 (0.5 W, 27 dBm) @ EDGE 850 / 900
- Output power: Class E2 (0.4W, 26 dBm) EDGE 1800 /1900

### UMTS / HSPA

- 3G Frequency Bands: UMTS Pentaband
- 3GPP Rel-7 compliant
- HSPA DL / UL Category: Cat. 14 / 6
- HSPA DL / UL Datarate: 21 / 5.76 Mbps
- UMTS DL / UL Datarate: 384 kbps
- Output power: Class 3 (0.25W, 24 dBm) @ UMTS

### Mobile Network Features

- CSD
- SIM Access Profile
- SIM Application Toolkit: 3GPP TS 51.014
- SMS Service supported

### TCP/IP Stack

- Built in UDP/TCP/FTP/SMTP stack

### Programming Language

- Python, version= 2.7.2
- Non Volatile Memory: 2 MB

### Software

- AT Command Support: TS 27.005, 27.007 and Telit custom AT
- Firmware Update: FOTA
- Remote AT commands

### Inputs / Outputs

- Analog Inputs: 1

### Interfaces

- RS232 Interface: D-Sub (9-pin)
- Antenna: FME
- USB 2.0: Mini-USB
- RJ11: Power+IOs
- Robust 1,8/3 Volt SIM Card Holder
- LEDs: 1 GSM + 2 Configurable

### Electrical Characteristics

- Voltage Range: 5V - 32V
- Low Power Mode (@ 12V): ~ 11 mA (\*)
- Standby (@ 12V): ~ 23 mA (\*)

### Hardware Characteristics

- Operating Temperature: -30°C + 80°C
- Size: 77x66x26 mm
- Weight: 80g

### Certificates

- CE

### Optional Features

We can develop customized terminals according to your specialized requirements. Please contact your local sales representative or our headquarters to discuss your requirements.

(\*) Measurement (including peaks) averaged over a 1 min interval.

### Accessories (exemplary)



Version 1.0-06/2013  
Product specifications are subject to change without prior notification.