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HT910 G

The Pentaband HSPA+ Terminal for global use

The HT910 G is an industrial terminal that primarily uses the UMTS pentaband for mobile data transmission. The GSM / GPRS technology serves as fallback. The terminal with download rates of up to 21 Mbit/s can be used worldwide.

The HT910 G terminal is especially interesting for customers who need high data transfer rates. In case of a temporary failure of the 3G mobile network, emergency operations can still be ensured via the conventional 2G network. Due to the integrated power saving mode, applications can be realized that have particularly high requirements for low power consumption.

For the connection of the terminal a RS232 interface and a USB 2.0 interface are available.

System integrators can develop their own applications in the programming languages Python and C and can run them on the terminal.

Advantages

- Stationary applications can be monitored remotely and service calls can be reduced and optimized
- Terminal is suited for worldwide use
- Fallback option in case of temporary failure of a mobile radio technology
- Robust design for industrial use
- Extremely low power consumption in power saving mode
- Programmable via Python and C

Performance Features

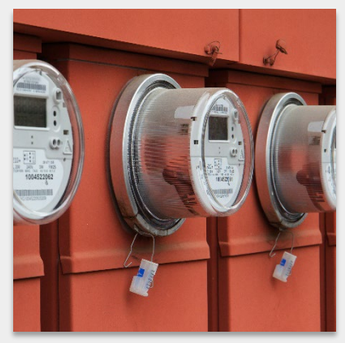
- Pentaband HSPA+ Terminal
- Quad Band GSM
- Wireless firmware upgrade (FOTA)
- RS232 & USB 2.0 Interfaces
- 1 analog input

Examples of applications

Monitoring of vending machines

Monitoring of industrial plants

Intelligent control of power grids



Transmission of smart meter data for e.g. electricity, gas and water

For live transmission of video recordings

Monitoring of heating, ventilation and air conditioning systems

Telic AG, Raiffeisenallee 12b, D-82041 Oberhaching, Tel. +49 89 231279-800, www.telic.de

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Technical data

Mobile details

- Module: Telit HE910-D
- Frequency bands 2G: GSM(850) / EGSM(900) / DCS(1800) / PCS(1900)
- Frequency bands UMTS: B5(800/850) / B8(900) / B2(AWS1700) / B1(1900) / B4(2100)
- GPRS class10
- EDGE Class12
- Transmitting power:
  - -Class 4 (2W) for GSM850/GSM900
  - -Class 1 (1W) for GSM1800/GSM1900
  - -Class E2 (0.5 W, 27 dBm) for EDGE 850/900
  - -Class E2 (0.4W, 26 dBm) EDGE 1800/1900
  - -Class 3 (0.25W, 24dBm) for UMTS
- SMS: Text and PDU modi, Cell Broadcast, SMS over GPRS
- USSD
- Additional features: DARP, CPC (DRX/DTX), dual-transfer mode
- Serial port multiplexer based on 3GPP 27.010
- SIM access profile

Data rates

- EDGE
  - Uplink up to 237 Kbit/s
  - Downlink up to 237 Kbit/s
- HSPA
  - Uplink up to 5,7 Mbit/s
  - Downlink up to 21 Mbit/s
- CSD: Asynchronous, non-transparent, up to 9.6 Kbit/s

Software

- AT command set: TS 27.005 and 27.007 + Telit specific AT commands
- Programming language: Python or C APIs for Telit AppZone
- Firmware update: FOTA
- SIM application toolkit
- TCP/IP-Stack: TCP, UDP, ICMP, HTTP,
- DNS, FTP, SSL, SMTP
- Jamming Detection

Power supply

- Voltage range: 5V-32V
- Power consumption (Idle Mode): ~14mA *)
- Power consumption (Low Power Mode): ~10mA(*)
- USB host-powered: Optional (**)

Physical description

- Operating temperature: -30°C to +80°C
- Size: 77x66x26 mm
- Weight: 91g

Hardware features:

- IP protection : IP40
- Memory: 2MB RAM / 5MB Flash
- SIM-card holder: 1x (1,8/3 Volt)
- SIM Chip Option
- LEDs: 1x GSM/ UMTS status + 2x configurable
- Real time clock: With alarm function

Connectors

- D-Sub (9-polig): 1x socket for RS232
- USB: Mini-USB (USB 2.0)
- RJ11: 1x Power supply + 1x Analog input + 1x Optional output (**)
- FME: 1x Antenna connector

Approvals: CE

(*) Average values (including peaks) with minimum 1 minute measuring time
(**) Optional features: Please contact us to discuss your requirements for developing customized terminal products.

Additional extras (exemplary)


Power supply unit


Stub antenna


Roof screw antenna


Magnetic base antenna

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