

erco & gener

L'esprit modem >>



Entirely dedicated to persons security and goods tracking, the GenTrack combines GSM/GPRS and GPS functions in a single robust waterproof (IP 65) case. With loss of verticality function and the Voice option (microphone + loud-speaker), it offers a real protection of the isolated persons.

Autonomous and discreet, the GenTrack integrates GSM and GPS antennas as well as new technology rechargeable batteries associating optimised energy management. The GPS information may be transmitted by SMS, GSM or GPRS data communication.

The GenTrack is Quad-Band (850/900/1800/1900 MHz) GSM/GPRS Class 10. The high sensitivity GPS solution ensures the reception of GPS data in difficult environmental conditions.

The connectivity IP protocols (TCP, UDP, FTP, SMTP) integrated in the embedded application (locally or remotely configurable), allow the rapid realisation of high value-added embedded telematic solutions.

## GenTrack 21e GenTrack 23e

- **GPS TRACKER**
- **GSM / GPRS COMMUNICATION**
- **WATERPROOF (IP 65)**
- **3 AXIS ACCELEROMETER**
- **2 BUTTONS, 3 LEDS**
- **BATTERY 1.5 AH or 3 AH**
- **INTELLIGENT ENERGY MANAGEMENT**



## TECHNICAL CHARACTERISTICS

## GenTrack Family

### GSM / GPRS FEATURES

- E-GSM Quad-band 850/900/1800/1900 MHz
- ETSI GSM Phase 2+
- Class 4 (2W @ 850 / 900 MHz)
- Class 1 (1W @ 1800 / 1900 MHz)
- GPRS Class 10 (Up to 4Rx / 2Tx)
- Supports PBCCH, coding schemes: CS1 to CS4
- Library (PPP, TCP, UDP, SMTP, FTP, SNMP)
- Asynchronous data circuit, transparent and non-transparent up to 14400 bits/s
- SMS point to point MT/MO and SMS CB (Cell Broadcast)

### GPS FEATURES

- 50 channel  $\mu$ blox receiver
- Precision:
  - 2.5 meters CEP
  - DGPS 2m CEP
  - Compatible A-GPS
  - Compatible GALILEO
- Acquisition time:
  - Hot start: < 1 sec
  - Cold start: 29 sec
- Re-acquisition time after loss of signal < 1 s
- High Sensitivity: -160 dBm when Tracking
- Protocols:
  - NMEA-0183 Input/output

### FUNCTIONS

- Profiled energy and event management
- 3-axis accelerometer ( $\pm 2g$  /  $\pm 8g$ ):
  - Movement
  - Shock
  - Verticality
- Memory capacity : 20000 positions
- Zone management (Geo-fencing)
- AT commands
- Watchdog

### INTERFACES

- Supplied with belt-clip
- Internal GSM / GPS antennas
- Internal rechargeable battery Li-Polymer 3.7 Vdc
  - Version **GenTrack 21e**: 1.5 Ah
  - Version **GenTrack 23e**: 3 Ah
- Multi-function connector (base charger):
  - Intelligent charging
  - Configuration (via USB)
- SIM reader (SIM 1.8 / 3V)
- 2 programmable buttons
- 3 programmable LEDs (GSM, GPS, ...)

### AVERAGE AUTONOMY

- Version **GenTrack 21e**:  
45 days  
(1 GPS position transmission (SMS / GPRS) per day)
- Version **GenTrack 23e**:  
90 days  
(1 GPS position transmission (SMS / GPRS) per day)
- Idle mode active: 6 months

### ENVIRONMENTAL & MECHANICAL

- Operating temperature: -20°C to +55°C
- Storage temperature: -25°C to +60°C
- Relative humidity: 90%  $\pm$ 10 %
- Waterproof case (IP65)  
Height 115 mm x Width 48,5 mm x Depth 26 mm
- Weight :
  - Version **GenTrack 21e**: 90 g
  - Version **GenTrack 23e**: 115 g

### APPROVALS

- R&TTE (Radio & Telecom. Terminal Equipment)
- Certification European (CE)

### OPTIONS

- Charger kit: 100 to 240 Vac with cables: 4408100815
- Starter Kit (**GenTrack 21e** + Kit Charger): 4408100014
- Starter Kit (**GenTrack 23e** + Kit Charger): 4408100017
- Voice (microphone, loud-speaker)
- Belt-clip case



erco & gener

L'esprit Modem

ZI de S' Lambert-des-Levées - BP 30163 - F-49412 SAUMUR Cedex

Tél. : 33 (0)2 41 83 13 00 - Fax : 33 (0)2 41 67 19 20 - www.ercogener.com - infos@ercogener.com

SA CAPITAL 183244 euros - R.C. SAUMUR B 332 174 820 - SIRET 332 174 820 00032 - NAF 2630Z - TVA Intra : FR 16 332 174 820