

erco & gener

L'esprit modem >>



Entirely dedicated to persons security and goods tracking, the GenTrack 23e AOB combines GSM/GPRS and GPS functions in a single robust case. With loss of verticality function and the Voice capabilities (microphone + loud-speaker), it offers a real protection of the isolated persons.

Autonomous and discreet, the GenTrack 23e AOB 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 23e AOB 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 integrated in the embedded application EaseTrack, also available on EGM Libraries for specific development, allow the rapid realisation of high value-added embedded telematic solutions.

GenTrack 23e AOB

- **GPS TRACKER**
- **GSM / GPRS COMMUNICATION**
- **VOICE CAPABILITIES**
- **3 AXIS ACCELEROMETER**
- **3 BUTTONS, 3 LEDS**
- **BATTERY 2.6 AH**
- **INTELLIGENT ENERGY MANAGEMENT**
- **3 YEARS WARRANTY**



TECHNICAL CHARACTERISTICS

GenTrack 23e AOB

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 µblox receiver
- Precision:
 - 2.5 meters CEP
 - DGPS 2m CEP
 - A-GPS compatible
 - GALILEO compatible
- Acquisition time:
 - Hot start: 1 sec
 - Cold start with A-GPS: 15 sec
 - Cold start without A-GPS: 29 sec
- Re-acquisition time after loss of signal < 1 s
- High Sensitivity: -160 dBm when Tracking
- Protocols:
 - NMEA-0183
 - UBX binary

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 clip-fixing
- Internal GSM / GPS antennas
- Voice (microphone, loud-speaker)
- Internal rechargeable battery Li-Polymer 3.7 Vdc 2.6 Ah
- Multi-function connector (base charger):
 - Intelligent charging
 - Configuration (via USB)
- SIM reader (SIM 1.8 / 3V)
- 3 programmable buttons
- 3 programmable LEDs (GSM, GPS, ...)

AVERAGE AUTONOMY

- Examples:
 - 180 days
(1 GPS position transmission (SMS / GPRS) per day)
 - 15 days
(1 GPS position transmission (SMS / GPRS) per hour)

ENVIRONMENTAL & MECHANICAL

- Operating temperature: -20°C to +55°C
- Storage temperature: -25°C to +60°C
- Relative humidity: 90% \pm 10 %
- Height 115 mm x Width 48,5 mm x Depth 26 mm
- Weight: 115 g

APPROVALS

- R&TTE (Radio & Telecom. Terminal Equipment)
- Certification European (CE)
- RoHS compliant
- Warranty: 3 years

OPTIONS

- Charger kit (100 to 240 Vac) with USB cable: 4408100015
- Belt-clip case (4611010001)
- Software Development Kit: cdrom SDK EGM

APPLICATION

- Embedded Application: **EaseTrack** managing the loss of verticality, the voice call, the Geofencing...
 - Tracking mode
 - Lone worker mode
 - Guarding mode
- **EGM** libraries available for specific embedded application developments
- Configuration tool: GenTrack Config

