NOW ACTIVE TRACK **IN 3 VERSIONS**
GPS only **/ RFID** only **/ GPS&RFID**

ACTIVE TRACK

PERSONAL GPS

REAL TIME **GUARD TOUR SYSTEM**
PERSONAL GPS
RFID READER
GSM/GPRS COMMUNICATION DEVICE

EBS

CREATING A SENSE OF SECURITY
SINCE 1989

ACTIVE TRACK is a new security device manufactured by EBS, that integrates in very durable housing a GPS receiver and a quad band GSM/GPRS mobile phone. This functional advanced device can be applied indoor and outdoor because of A-GPS service, that supports GPS signal from satellites by GSM/GPRS.

Active Track has been designed as a modern, high technology but also easy in use device, that has a lot of applications and brings a variety of benefits for it's users.

Handy, waterproof and shock resistant casing and built-in accelerometer provides that the device can be used both by commercial and private users: in logistics companies, security and fire services, parole system, to child protection, senior and patient care.

NOW we offer our customers Active Track with RFID and RFID & GPS! Be free in your choice and needs!

APPLICATIONS:

Now there is much more applications - you can use our device in buildings with fixed RFID points or in big areas, where GPS is necessary:

- Lone worker protection (MAN DOWN function)
- VIP protection
- Outdoor safety for elderly people (elderly care)
- Children protection
- Law enforcement (home arrest, parole system)
- Groups, foreign tourists protection
- Trip management
- Escorting valuable shipments / people - the possibility of routing and alerting the aberration from its course

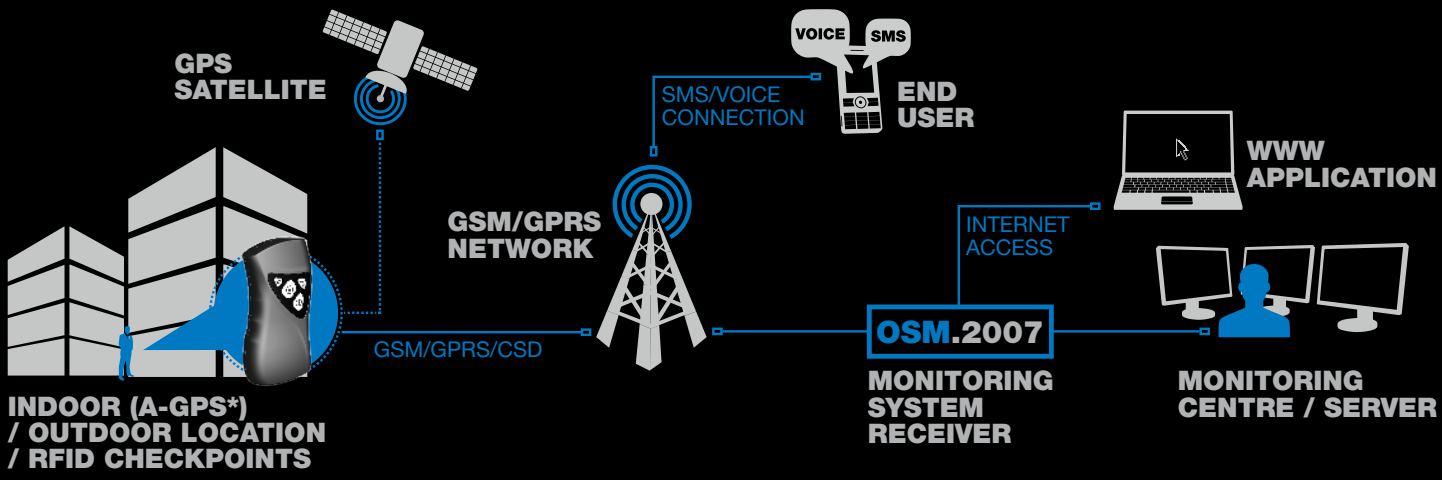
MAIN FUNCTIONALITY AND BENEFITS:

NEW

- **GPS and RFID in one device**
  Now you can choose between Active Track with RFID, GPS or all in one version. All functionality in one device.
- **Two-way voice communication device**
  It can be used as a cell phone, user can call directly the previously programmed number or send signal via GPRS to monitoring station with ask for reply. It is also possible to receive calls with Active Track.
- **Personal protection system**
  PANIC button enables sending alarm signal - data and voice transmission in case of an emergency situation - lone worker protection.
- **MAN DOWN motion sensor for fall detection**
  Fully automated notification about life-threatening situation. It is also possible to configure fixed position - thanks to tilt detection Active Track can send alarm signal in case of position change.

- **A-GPS (Assisted GPS)**
  Allow both outdoor & indoor tracking; help by delivering satellite data such as accurate time and satellite status to the GPS receiver. This aiding data enables a GPS receiver to compute a position within seconds, even under poor signal conditions. It helps in emergency situation, in rough environments.
- **GeoFencing**
  Tracking and monitoring position of GPS users with automatic alarm signal if the user will cross the boundary of determinated zone. Effective solution e.g. for child protection. Function provided be the software.
- **Tamper detection alert**
  Excessive shock detection - notification about all mechanical attempts to destroy the device. Tamper switch - protection against opening the device by unauthorized person.
- **Online, real time tracking and history**
  Online internet application for tracking GPS location.
- **Large memory capacity**
  Built-in memory for registering up to 2000 events in history; allows collecting information about alarm signals, voice / sms connections and the route egistered by GPS.
- **GPS position on SMS**
  Programmed buttons to send SMS on smartphone.
- **Can be extended with new functionalities**

OPERATING DIAGRAM



* GPS users expect instant position information. With standard GPS this is sometimes not possible because at least four satellites must be identified, and their complete orbital position data, called Ephemeris, received.
Under adverse signal conditions, data downloads from the satellites to the receiver can be unacceptably long, hours or even fail altogether.
Assisted GPS (A-GPS) accelerates calculation of position by delivering satellite data to the GPS receiver via GPRS or the Internet. This aiding data enables a GPS receiver to compute a position within seconds, even under poor signal conditions.

TECHNICAL PARAMETERS

Active Track with RFID reader

Reader type	Proximity RFID
Frequency and standard	125kHz, unique
RFID read-out distance	3-4cm (depends on transponder type)

Active Track with GPS (optionally with RFID reader)

GSM module	u-blox Leon G-100 (850/900/1800/1900 MHz)
GPS module	
Channels	50 channel u-blox 6 engine
A-GPS online/offline support	YES
Position accuracy	< 2,5 m
TTFF hot start acquisition time	< 1 s average
TTFF cold start acquisition time	< 27 s average
Electrical characteristics	
Power supply	5V/1A
Power socket	Standarized Micro USB type B plug
Battery	Li-Polymer, 2400 mAh
Battery working time after charging	24 hours
Casing protection rating	IP67
Physical characteristics	
Dimensions (HxWxT)	121x60x30 mm
Housing	The waterproof and shock resistant housing
Weight	150g (GPS device) 30g (charger)
Motion sensor	3-axis motion sensor (accelerometer)
Interfaces & general features	
	Internal speaker and microphone
	4 buttons for easy operating
	Ambient operating temperature: -20°C to +60°C
	Based on durability-assumptions for Active Guard
	Data transmission via GPRS (TCP, IP), SMS to OSM.2007
	Voice call
	Silent call
	Remote administration & firmware update
Configuration	Local: PC through RS232 link (LX cable and AGP3 programmer required) Remote: via GPRS, SMS, CSD
Alarm events buffer size	1000
Quantity of system events stored in history	2000

activeview

You can test our device with our new, easy to operate web application with customer oriented interface:

- Real-time monitoring of connection status, battery level, GSM signal strength
- Preview on the map current and historical position of Active Track device (date, time, speed, direction, altitude)
- Processing alarm events in real time

Be free in choice your Active Track!

- Much more applications - you can use our device in buildings with fixed **RFID** points or in big areas, where **GPS** is necessary
- We provide you the same handy, waterproof and shock resistant casing
- Easy operation with four buttons
- Real-time monitoring
- Processing alarm events
- **Supporting by Active View web application**
- Personal protection system

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