TOT100/150

OFFENDER TRACKER

TOT100/150 is an offender's tracking solution with GNSS, GSM and RF home zone. Solution is designed to monitor and assure sentenced person is following conditions of parole. The device is a comfortable to wear, is water-protected and can be safely charged.
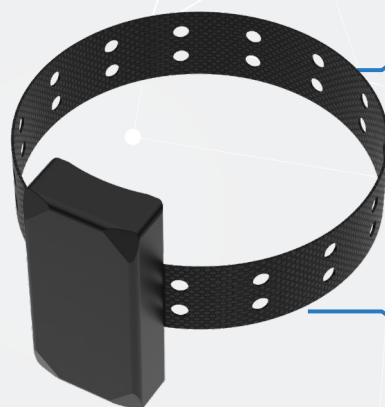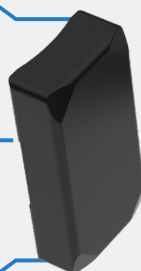
Comfortable to wear design

IP67 housing
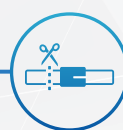
Long life time

Not stretchable ankle strap

RF communication

Tamper/Break detection

SECURITY

Home zone control

Waterproof

Tamper/Brake detection

DESIGN

Curved to fit the profile of the ankle

Allows skin to breath

Adjustable length of Strap

TELEMETRY

Periodical RF Scanning and sending

Smart tracking modes

Emergency events

TOT100 TOT150

Module

Name	Teltonika TM2500	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH	GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS	—

Cellular

Technology	GSM	GSM
Module type	TM2500	TM2500
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz	Quad-band 850 / 900 / 1800 / 1900 MHz
Data support	GPRS, SMS (text/data)	GPRS, SMS (text/data)

Internal battery consumption

Working time in tracking mode	24 hours with 30 sec GNSS logging and 60 sec GPRS sending period	—
Working time in RF home beacon zone	48 hours	—

Power

Input voltage	—	220 to 5 V DC power supply
Internal Back-up battery	—	2 hours

Interface

RF antenna	Internal High Gain	Internal High Gain
GNSS antenna	Internal High Gain	—
GSM antenna	Internal High Gain	Internal High Gain
USB	Magnetic USB cable	Magnetic USB cable
LED indication	1 green/red color LED	—
SIM	Micro-SIM + eSIM possibility	Micro-SIM + eSIM possibility

Operating environment

Operating temperature	-20 °C to +65 °C	-20 °C to +65 °C
Ingress Protection Rating	IP67	—

Features

Functionalities	Event when device is inside/outside RF home zone Periodical RF beacon ID transmitting Periodical GPRS data sending to the server Operating in low-power mode, when device is inside home beacon zone (turn off GNSS/GSM modules) Parameters configuration over configurator, SMS and FOTA Smart tracking modes on movement and on stop Power Saving mode on no movement Tamper event Tag reports if other tags are within operating range 30mm ankle strap	Periodical RF beacon ID transmitting Periodical GPRS data sending to the server RF beacon scanning and it's ID sending to the server Parameters configuration over configurator, SMS and FOTA Home-beacon reports if other tags and the home-beacons are within operating range Tamper event Home beacon will detect and send an SMS/GPRS events on: main power removal/restore, movement