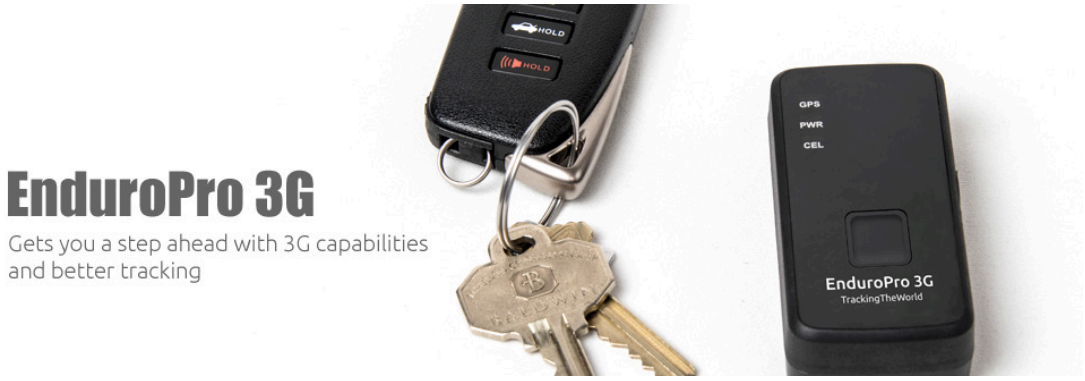
TrackingTheWorld EnduroPro 3G Tracking Device



WCDMA/GSM Advanced Asset Tracker

With major carriers phasing out 2G service over the next year, the EnduroPro 3G gets you a step ahead of industry changes, and offers a smart choice for those requiring enhanced coverage in hard-to-reach areas. Durable and versatile, the EnduroPro 3G is ideal for vehicle tracking, employee monitoring, asset tracking, and surveillance or covert tracking applications.

Easy to Use New Design

The water resistant EnduroPro 3G is a powerful GPS locator designed for lone worker, vehicle, and asset tracking applications. A newly designed thumb-sized button makes this device ideal for applications requiring rapid notification of emergency alerts or regular setting of geo-fences based on frequently changing locations. A built-in GPS receiver offers superior sensitivity and fast time to first fix.

Full Power Management

WCDMA technology allows the device's location to be monitored in real-time or periodically tracked by a backend server and mobile devices. A built-in 3-axis accelerometer allows motion detection and extends battery life through sophisticated power management algorithms. The device supports a wide variety of reporting options, including emergency, geo-fence boundary crossings, low battery and scheduled GPS position.

Highlights

- PTCRB, CE and FCC Identification Certifications
- Thumb-Sized Button For Faster Emergency Alert or Instant Geo-fence Setting
- Vibration Feedback Confirming Successful Button Operation
- Water Resistance

- Full Power Management

Advantages

• Triple band frequencies UMTS/HSDPA 850 (Band V)/1900 (Band II)/2100 (Band I) MHz and quad band GSM/GPRS 850/900/1800/1900 MHz
• Internal u-blox chipset
• Internal WCDMA/GPS antennas
• Thumb-sized button allowing easier emergency alert or instant geo-fence setting
• Internal 3-axis accelerometer for power conservation and motion detection
• Full power management; connect to external DC power or battery

RF Specifications

Frequency	GSM: 850/900/1800/1900 MHz UMTS: 850/1900/2100 MHz
Transmitting Power	Class 4 (33±2 dBm) for GSM 850 and EGSM 900 Class 1 (30±2 dBm) for DCS 1800 and PCS 1900 Class 3 (24+1/-3 dBm) for UMTS 850/1900/2100
GSM/GPRS Data Features	GPRS: Support GPRS multi-slot class 12 (10 by default) Coding scheme: CS-1, CS-2, CS-3 and CS-4 Maximum of four Rx time slots per frame
Transmission Data	HSDPA R5: Max 3.6 Mbps (DL) WCDMA R99: Max 384 kbps (DL)/Max 384 kbps (UL) GPRS: Max 85.6 kbps (DL)/Max 85.6 kbps (UL)
HSDPA and WCDMA Features	HSDPA data rate corresponds with 3GPP R5. 3.6 Mbps on downlink WCDMA data rate corresponds with 3GPP R99/R4. 384 kbps on downlink and 384 kbps on uplink Support both 16-QAM and QPSK modulation

GPS Specifications

GPS Chipset	56-channel u-blox All-In-One GPS receiver
Sensitivity	Autonomous: -147 dBm Hot start: -156 dBm Reacquisition: -160 dBm Tracking: -162 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m SBAS: < 2.0m
TTFF (Open Sky)	Cold start: 27s average Warm start: 27s average

	Hot start: 1s average

Interfaces

Digital Inputs	Two digital inputs One positive trigger for ignition detection One negative trigger input for normal use
Power Button	Power on and power off, can be disabled by the air interface protocol
Function Button With Vibration Feedback	Emergency alert or instant geo-fence
UMTS/HSDPA and GSM Antennas	Internal only
GPS Antenna	Internal only
Indicator LED	CEL, GPS and power
Mini USB Interface	For external power and configuration

General Specifications

Dimensions	77.8mm*39.6mm*21.7mm
Weight	72g
Internal Battery	Li-Polymer 1700 mAh
Water Resistance	IPX5 compliant
Charging Voltage	5V DC
External Battery Voltage	3.5V to 4.2V DC
Operating Temperature	-20℃ ~ +55℃

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time schedules
Geo-fence	Support up to 5 internal geo-fence regions
Power On/Off Report	Report when the device is powered on or off
Low Power Alarm	Alarm when battery is low
SOS/Emergency Alarm	SOS alarm when function key is pressed
Special Alarm	Special alarm based on digital input
Motion Detection	Motion alarm based on internal 3-axis accelerometer