DATASHEET : GeoSmartOne®

Theo GeosmartOne is created by combining with the high-performance GPS and the Semtech Lora® technology, which make the device can operate with a low power consumption and become an ideal tracking industrial system. An accelerometer makes it possible to follow the movements and to monitor in real time but still can ensure a longevity of the batteries.

GeoSmartOne® (in short)

- Geolocation
- Motion detection
- IP 67 certification allowing operating in industrial and construction environments
- Primary battery
- 2 types of batteries: 3LR12 of 6000 mAh and ER26500 of 9000 mAh
- Connection Semtech Lora® networks
- Remote control

GeoSmartOne®

- GPS accuracy
- Long-term system
- Battery: Low power consumption

GeoSmartOne® Application

- Asset and vehicle monitoring system
- Anti-theft systems

GeoSmartOne®'s functionality

- Mode Tracking: Monitoring GPS according to certain cycle
- Geolocation On demand
- Geofencing: Identifying Protected area
- Motion detection: Sending alerts
- Activity rate Measuring the usage time of system (hours of operation and integration possibility of other sensors (on demand)

General specification		
	Dimension	130mm x 110mm x 35mm
	Voltage	4.5 V
	Battery Power	3LR12 - 6000 mAh
	Weight	200 g
	Storage Condition	-40°C ~ 85°C
	Operating temperature	-40°C ~ 85°C
	Humidity:	10% to 90%
	LORA Frequency:	EU band - 868 MHz

Radio power	14 dBm
GPS Frequency	1.575Ghz
GPS Accuracy	< 10 m
Case	IP65
Installation system	By screw or rivet

Specifications

Tracking mode (GPS ON, location report at certain time intervals)	
Battery consumption	250 mA max
Battery life	> 18 days
Frequency of report	60 sec
Motion Detection (Response time of GPS is fast so that it can signal the position at regular intervals when moving and always keep the message as it can still)	
Battery life (1 position/day)	> 4.5 years with battery 3LR12 > 6.5 years with battery ER26500

GeoSmartOne® Certifications

LoRa Alliance