UTRACKIT



Product Application

MobiGuard / MobiGuard "+" (geo-location under cover)

MobiGuard is robust and waterproof. It offers a straight-forward, industry-standard tracking solution, recording current position and route. GPS Data is recorded continuously while moving and logged based on speed of travel, as well as having each Stop and Start logged. Frequent (within the minute) transmission of GPS data allow the route travelled to be followed over the internet using a PC or mobile phone.

Movement reports can be configured to provide a 1-page summary of site visits and the time spent at each site. For site and perimeter guarding, a visual grid representing patrol points visited simplifies the analysis of whether patrols have been performed appropriately. Activities that require a person to be at a specified location on schedule can be complemented by a 'No-Show" SMS to line managers, thus freeing up resources as exceptions are highlighted timeously.

The Lithium-Ion rechargeable cell provides for 10 to 14 hours of continuous operation between charging. The unit is sealed at manufacture, a feature made possible by the new "Qi" charging standard that offers highly efficient, wireless recharging, within approximately 4 hours.

MobiGuard is standard with GPS for satellite positioning and GPRS for data transmission to your UTrackIT asset mapping and route review account.

MobiGuard + extends outdoor (GPS) tracking to allow under-cover location recording, based on proximity to short-range transmitting "beacons". Please refer to the UTrackIT "Canary" location beacons for the detailed operational and reporting feature enhancements that this combination allows.



Applications

Perimeter Guarding Route Adherence Location-based Monitoring Personal Safety and Tracking On-Person Route Logging Travel Recording



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Specifications

Physical:						
Dimensions:	39.5 x 77.0 x	39.5 x 77.0 x 21mm				
Weight:	75grams	75grams				
Enclosure Material:	ABS					
Power:						
Power Source:	3.7V 1300mAHr Li-Ion Battery					
Charge Method:	Wireless Charging via Qi Compliant Charge Plate					
Charge Time:	Approx. 4 Hours					
Battery Life:	10 – 12 Hours*					
Logging & Reporting:						
GPS Fix Interval:	Speed-Profiled (Over the Air programmable from 5 seconds to 4.5 hours)					
	30 s below 5kmh / 12 s below 10kmh / 8 s below 20kmh / 15 s over 20kmh (standard)					
GPRS Report Interval:	12 records / 5	12 records / 5 minutes standard; Over the Air programmable from 10 seconds to 18 hours.				
Status (when not moving	1 hour standard; Over the Air programmable from 10 seconds to 8 hours.					
Exception Records:	Stop / Start / Heading change - at 1-second intervals for 4 seconds before / 5 seconds after.					
Environmental:						
Operating Temp:	0-60°C		Charging Temp:	0-35	5° C	
Humidity:	20-80% Non Condensing					
Water Resistance:	IP65 (Projected against water spray from any angle)					
GPS System:						
Tracking Engine:	50 Channel					
Sensitivity:	Tracking and Navigation		-160dBm			
	Signal Reacquisition		-160dBm			
	Autonomous	Autonomous Cold Start		-147dBm		
Time to first fix:	e to first fix: Cold Start		~70 seconds (@ -130dBm)			
	Warm Start		~30 seconds (@ -130dBm)			
	Hot Start		~1 second (@ -	I30dBm)		
GPS Accuracy:	2.5m (under g	2.5m (under good signal conditions)				
GSM System:						
Band:		GSM 900MHz / 1800MHz				
Data Interface:	GPRS Multi S	GPRS Multi Slot Class 8				
Receive Sensitivity:	-107dBm					
Transmit Power:	900MHz	33dBm	1800MHz	30dBm		
Short Range Location (optional		•				
	Built in 2.4GHz module for communication with Canary Intelligent Location Beacons					
Range:	~5m (Surroundings dependent)					
Beacon Detection:	less than 5 seconds (this may increase if more than 1 MobiGuard+ is locked on the beacon)					
Max Beacons in Range:	15 simultaneously					
GPS Logging:						
GPS Location is captured, stored and reported to the server on a real-time basis when GPRS is available to send data. If						
	GPRS is not available, data is buffered locally and sent as soon as GPRS becomes available.					
Buffer Size:	Buffer Size: 512 GPS data points and 256 Beacon Locations (stored records overwritten on a FIFO basis)					
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