SP8824
NEXT-GEN Personal GPS Tracker

The Skypatrol SP8824 makes the most versatile tool when it comes to your everyday need in personal tracking. With its conspicous design, the SP8824 makes it ideal for childeren, seniors and anyone that needs the ability to track their love ones. Due to its overall fetures set and functionality, it also makes it the perfect solution for personnel management such as security services, courier logistics, and sales team. Built in "alert" button gives you the ability for instant notification to set destinations. Paired with our consumer friendly applications, you will have complete control of your SP8824. Geofencing capabilities will have you in the know of up to date movement and activity.

FEATURES

- GPS Locator with Compact Size
- Water Resistant IPX5 Compliant
- Certified LTE B13
- Transmit Protocol: TCP/UDP/SMS
- Aggressive GPS/GNSS Chipset with Ultra Sensitivity
- Up to 5 Built-in Geofences
- Low Power Consumption, Long Standby Time with Internal Battery
- Full Power Management
- Internal CDMA/GNSS Antennas

- Function Button, 100% Portable
- Instant notifications sent to email or SMS text when message button is pushed
- Thumb Sized Button Allowing Easier Activation
- Built-in 3D Motion Sensor
- GNSS Autonomous Sensitivity: -147 dBm for Fast TTFF and High Accuracy
- Web-Based Device Management
- FOTA & OTA Capability
- Alarm when Battery is Low

SP8824
Specifications

LTE

Frequency	B13
Max. Data Rate	375 Kbps
Max. Out RF Power	23 ~ 25 dBm
Min Out RF Power	< -50 dBm
Dynamic Input Range	-25 ~ -110 dBm
Receiving Sensitivity	BCO -110 dbM, BC1 -107 dBm
Max. Frequency Error	800 MHz band: ±300 Hz, 1900 MHz band: ±150 Hz

GNSS PERFORMANCE

GNSS Receiver Type	Qualcomm Gen 8C GNSS receiver
Sensitivity	Cold Start: -148 dBm Tracking: -159 dBm
Accuracy(CEP)	Autonomous: < 2.5m
TTFF (Open Sky)	Cold start: 30s Warm start: 27s Hot start: 1s

USER INTERFACES

Power Button	On/Off
Message Button	To send notifications
LTE/GNSS Antennas	Internal only
Indicator LED	Cell, GNSS and battery status
Mini USB Interface	For external power and configuration
Digital Input	2

INTERFACE PROTOCOL

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time schedules
Geofence	Up to 5 geofence regions can be defined
Power On/Off Report	Report when the device is powered On or Off
Low Power Alarm	Alarm when battery is low
Special Alarm	Special alarm based on digital input
Motion Detection	Motion alarm based on internal 3-axis accelerometer

ELECTRICAL

Charging Voltage	5V DC
Internal Battery	Li-Polymer 2600 mAh, 3.7 V
External Battery Voltage	3.5V to 4.2V DC

PHYSICALS

Dimension	68.5 x 38.5 x 23.5mm
Weight	60g
IP Rating	Water resistance IPX5 compliant

ENVIRONMENTAL

Operating Temperature	-20°C ~ +55°C

skypatrol®