

Skypatrol product specifications

TT8750+

Event Driven Dynamic Interface Engine (EDDIE+)

evolution

SERIES



- Low Power Consumption
- Motion Sensor & Backup Battery
- Quad Band Modem: Works anywhere there is cellular service, globally
- Durable, high quality, splash proof housing
- Ultra Sensitive (-162dBI) with powerful embedded antenna array
- SMA connector for optional external GPS antenna
- Operating Voltage supports installation in all vehicles, motorcycles & power sports applications



GPS Tracking Solutions

skypatrol®

TT8750+

Quad Band GPS & GSM Tracking Platform

evolution
SERIES

GSM/GPS Specifications

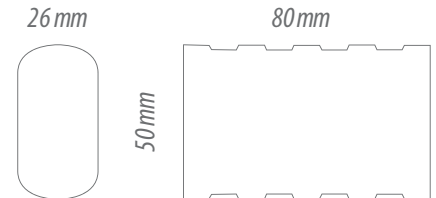
Frequency	Quad-Band: 850/900/1800/1900MHz
GPS Chipset	uBlox All-In-One GPS Receiver Sensitive, Fast and Accurate
Sensitivity	Cold start -148dBm / Reacquisition -160dBm / Tracking -162dBm
Position Accuracy	Autonomous: <2.5 m SBAS : 2.0 m
TTF (Open Sky)	Cold start 35s / Warm start <35s Hot start <1s

User Interfaces

Connector	16 pin Molex type connector
Digital Inputs*	Three digital inputs. One dedicated for ignition detection. The other two are negative trigger for general purpose
Analog Inputs*	1 Analog input (0-16V)
Digital Outputs	3 Digital outputs. Drive current 150mA. One of them is latched during reset
Two-Way audio	Speaker and microphone on 16 PIN connector
GSM Antenna	Internal Only
GPS Antenna	Internal Standard with External option built in to unit (SMA connector)
USB Interface	MINI-USB connector for configuration through TTL UART interface
RS-232 Interface	3 Wire, TX, RX, GND

General Specifications

Dimensions	80mm X 50 mm X 26mm
Weight	89 g
Battery (Optional)	Li-Polymer 250 mAh , 3.7V
Operation Voltage	9 V to 32 V DC
Operation Temperature	-30° to +80° for working (without battery) -40° to +85° for storage (without battery)



Air Interface Protocol

SkyPatrol Custom Protocol (EDDIE+)
Transmit Protocol TCP, UDP, SMS
OTA & FOTA Capable

Event Driven Dynamic Interface Engine (EDDIE+)

The second generation EDDIE+ Protocol supports a large number of upgrades over all previous firmware versions.

Features

- Fast Implementation and Low Operation Costs
- Circular Geofence (Up to 250 fences), Polygonal Geofences (Up to 25 point with 9 Vertices) and Route Geo-fencing (Up to 25 points with 10 Vertices and Customizable width by groups)
- Battery Level event and value as part of message
- Messaging control thru sequential identification as part of each event
- 3.2K Buffer Log independent on the format of message.
- Flexible Customization Through Built-in Programmable Rules Engine
- 7 different type of Counter
- Logic Event capability handling and combining events using: and, or, not
- Map link feature**

Specifications subject to change.

* May change in future versions

** Not available at launch date



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