Skypatrol product specifications

TT9500

DEFENDER

Event Driven Dynamic Interface Engine (EDDIE+)

defender

SERIES

- Internal Relay
- Low Power Consumption
- Quad Band Modem: Works anywhere there is cellular service, globally
- Durable, high quality, splash proof housing

- Ultra Sensitive (-162dBI) with powerful embedded antenna array
- Operating Voltage supports installation in most vehicles, motorcycles & power sports applications

GPS Tracking Solutions

skypatrol®

Skypatrol product specifications

TT9500

DEFENDER

Quad Band GPS & GSM Tracking Platform

defender

SERIES

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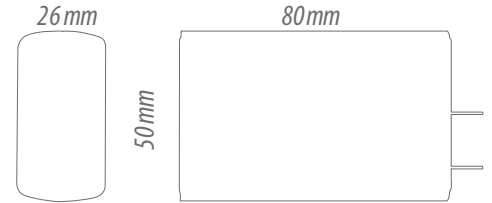
Frequency	*Quad-Band: 850/900/1800/1900MHz*
GPS Chipset	*uBlox All-In-One GPS Receiver Sensitive, Fast and Accurate*
Sensitivity	*Cold start -148dBm / Reacquisition –160dBm / Tracking -162dBm*
Position Accuracy	*Autonomous: <2.5 m SBAS : 2.0 m*
TTFF (Open Sky)	*Cold start 35s / Warm start <35s Hot start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

User Interfaces

Connector	*6 pin Molex type connector*
Digital Inputs*	*(2) One digital input dedicated for ignition detection. One digital input is a negative trigger for general purpose*
Output	*1 Digital output. Drive current 150mA*
Internal Relay	*Drive current 20A, latched during reset*
GSM Antenna	*Internal Only*
GPS Antenna	*Internal Only*
USB Interface	*MINI-USB connector for configuration through TTL UART interface*

General Specifications

Dimensions	*80mm X 50 mm X 26mm*
Weight	*89 g*
Operation Voltage	*9 V to 16 V DC*
Operation Temperature	*-30⁰ C to +80⁰C for working (without battery)*

26 mm   *80 mm*   *50 mm*

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)
- 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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