TT8750N+
Proven High-Performance Fleet GPS

This fully featured GPS device is configured to meet virtually any installation, connectivity and performance requirement. With three digital inputs, one analog input and three digital outputs -- the TT8750N+ gives operators total flexibility to connect multiple sensors and capture data for reporting. The SMA connector makes it possible to connect an optional external antenna for challenging installations.

The durable weatherized housing is splash-proof for more flexibility when selecting a mounting location. The highly sensitive motion sensor is a vital part of the power management system for low power consumption. The backup battery prolongs the operational life when power isn't available.

FEATURES

- Fast Implementation, Low Operation Costs
- Circular Geofence (up to 250 fences), Polygonal Geofences (up to 25 points with 9 vertices) and Route Geofencing (up to 25 points with 10 vertices and customizable width by groups)
- Battery Level Event and Value as Part of Message
- Low Power Consumption
- Messaging Control Through Sequential Identication as Part of Each Event

- 3.2K Buer Log Independent on the Format of Message
- Flexible Customization Through Built-in Programmable Rules Engine
- 7 Different Types of Counter
- Logic Event Capability Handling and Combining Events Using and/or/not
- Map Link Feature
- Motion Sensor & Backup Battery
- Quad Band Modem
- Durable, High Quality, Splash Proof Housing

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TT8750N+
Specifications

GPS

Sensitivity	Cold Start: -148dBm Reacquisition: -160dBm Tracking Mode: -162dBm
Position Accuracy	Autonomous: <2.5 m SBAS: 2.0 m
TTFF (Open Sky)	Cold start 27s Warm start <27s Hot start <1s
GPS Chipset	uBlox All-In-One GPS Receiver Sensitive, Fast and Accurate.

CELLULAR

Transmit Protocol	TCP, UDP, SMS
Skypatrol Custom Protocol	(EDDIE+) Event Driven Dynamic Interface Engine: The second generation EDDIE+ Protocol includes a large number of modications over all previous firmware versions
Frequency	Quad-Band 850/900/1800/1900MHz
OTA & FOTA	Capable

INPUT/OUTPUT

Digital Input*	1 for ignition detection 2 negative trigger for general purpose
Analog Input*	1 (0-16V)
Digital Output	3. Drive current 150mA. One of them is latched during reset
Two-Way Audio	Speaker and microphone on 16 PIN connector

ELECTRICAL

Operating Voltage	9-32 V DC
Battery (Optional)	Li-Polymer 250 mAh , 3.7V

PHYSICALS

Dimension	80 x 50 x 26 mm
Weight	89g

ENVIRONMENTAL

Operating Temperature	-30ºC to +80ºC (without battery)
Storage Temperature	-40ºC to +85ºC (without battery)

CONNECTORS

Connector Type	16 pin Molex
GSM Antenna	Internal
GPS Antenna	Internal Standard with External option built-in to unit (SMA connector)
USB Interface	MINI-USB connector for conguration through TTL UART interface
RS-232 Interface	3 Wire, TX, RX, GND

CERTIFICATIONS

FCC Certified, PTCRB Certified, CE Mark, RoHS Compliant

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