

Skypatrol product specifications



TT9200

Ultra Slim Vehicle Tracking Device

Wide Operating Voltage Range: 8 to 32V DC

Small in Size and Highly Concealable

Economically Priced for Basic Tracking Functions



defender
SERIES



- Wide Operating Voltage Range : 8 to 32V DC
- Built-in Highly Accurate uBlox GPS Chipset
- Quad-Band GSM/GPRS Modem
- Embedded EDDIE+ Protocol
- Multiple I/Os for Dynamic Telematic Applications
- Integrated Internal Antennas (GPS & GSM)



GPS Tracking Solutions

skypatrol®



TT9200

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GSM/GPS Specifications

Frequency	Quad band: 850/900/1800/1900MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900MHz) -Class 1 (1W @ 1800/1900MHz)
GPRS	GPRS multi-slot class 12 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	33.0dBm±2dBm
Dynamic Input Range	-15~-108dBm
Receiving Sensitivity	Class II RBER2%(-102dBm)
Stability Of Frequency	<2.5ppm
Max Frequency Error	±0.1ppm

Interfaces

Digital Inputs	One negative trigger input for normal use
Ignition	One positive trigger for ignition detection
Digital Outputs	One digital output, open drain, 150mA drive current max One latched digital output with interval latch circuit, open drain, 150 mA drive current max
GSM Antenna	Internal only
GPS Antenna	Internal only
Indicator LED	GSM, GPS and power
Mini USB port	Mini USB port for firmware upgrading and debugging

GPS Specifications

GPS Chipset	uBlox All-In-One GPS receiver
Sensitivity	Autonomous: -148dBm Hot start: -160dBm Tracking: -162dBm
Position Accuracy	Autonomous: <2.5m SBAS: 2.0m
TTFF (Open Sky)	Cold start: 30s Warm start <30s Hot start <1.2s

Air Interface Protocol

- Flexible Customization Through Built-in Programmable Rules Engine
- Logic Event capability handling and combining events using: and, or, not
- Position Reporting based on programmable intervals
- Circular Geofencing , Polygonal Geofencing , Route Geo-fencing
- Power On Notification Report
- Reporting based on digital/analog input behaviors
- Control of digital outputs via air interface protocol

General Specifications

Dimension	63mm*50mm*13.2mm
Weight	44g
Operation Voltage	8 to 32V DC
Operation Temperature	-30°C~+80°C
Storage Temperature	-40°C~+85°C



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