skypatrol®

SP9501

CDMA Asset Tracker

The Skypatrol SP9501 CDMA Asset Tracker is designed for realiable and multi-year deployments, making it ideal to track and manage moving assets. Its wireless charging capability gives superior GPS performance. Typical applications include title loan companies and freight shipping.

FEATURES

- Magnetic waterproof enclosure IP67
- CDMA 1xRTT communication
- Built-in 3-axis accelerometer
- Inductive charging (wireless)
- Multiple I/O's
- Lithium-ion rechargeable battery

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SP9501
Specifications

(Main View)

(Side View)

GPS

Receiver	50 channel GPS (with SBAS) SBAS: WAAS
Location Accuracy	2.0 meter CEP (with SBAS)
Tracking Sensitivity	-160dBm
Acquisition Sensitivity	-147dBm
AGPS Capable	Yes

CELLULAR

Data Support	SMS, CDMA 1xRTT packet data, TCP/IP, UDP
Operating Bands	CDMA 1xRTT: 800/1900 MHz
Transmitter Power CDMA 1xRTT	CDMA BC0: Power class 3 (24.5dBm) for 1xRTT CDMA BC1: Power class 2 (24.5dBm) for 1xRTT
Data Rates CDMA 1xRTT	153.6Kbps upload 153.6Kbps download

USER INTERFACES

Serial Port	via USB port
SIM Access	Internal (Optional)

ON BOARD

3-Axis Accelerometer	Built-in

ELECTRICAL

Operating Voltage	4.2V internal battery pack
Power Consumption	Typical 200µA @4.2V (deep sleep) Typical 21.5 mA @ 4.2V (SMS+UDP connection, GPS off) Typical 89.9 mA @ 4.2V (continuous transmit)
Battery	8800mAh/12000mAH rechargeable Lithium-ion battery
Wireless Charging	Yes

PHYSICALS

Dimensions	144 x 58 x 44.8 mm
Weight	412g
IP Rating	IP67 waterproof
Certifications	FCC/PTCRB/VERIZON/IC/CE/ROHS

ENVIRONMENTAL

Temperature	-20° to 70 °C (operating) -40° to +85 °C (storage)
Humidity	95%RH @ 50° C non-condensing
RoHS	Compliant

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