Savi Locate™

Savi Locate is a low-cost sensor that works everywhere 2G networks are available. It is economically feasible as a single-use device when return logistics are not available. This high-performance sensor is integrated with Savi Visibility™ software to deliver an affordable, comprehensive view of in-transit assets and shipments.

CONNECTIVITY · INTELLIGENT · FLEXIBLE · AFFORDABLE

GPS and Cellular Connectivity

The Savi Locate Sensor is a low-cost, high performance tracking device designed to monitor worldwide inter-modal shipments. Integrated internal antennas use GPS technology to track/monitor cargo. This can be done from either outside or inside most shipping containers. When GPS satellites are obstructed, cell tower triangulation can provide an approximate location, allowing sensors to report in from almost any region of the globe.

Software Integration and Alerting

Savi Locate sensors are integrated with Savi Visibility to provide end-to-end supply chain monitoring and tracking. When exceptions to pre-defined threshold conditions occur, sensors send status updates and alerts via cellular networks to Savi Visibility. Sensors are programmed to send updates at varying intervals depending on motion and location to optimize battery life.

Flexibility of OTA Updates

Customers enjoy the flexibility of Savi's OTA (over-the-air) sensor management capabilities. This enables Savi to change configuration parameters and update configurations on demand. Configurations can be programmed by Savi before shipment or over-the-air once the sensor is deployed in the field. Get reliable data when you need it – updates come as needed to optimize/extend battery life.

Affordable and Durable

When return logistics are not an option, this sensor's low cost makes it economically feasible as a single-use device. The ruggedness of the sensor allows for it to be used multiple times. Weatherproof sensors can be attached to the outside of a shipping container, placed within shipping cartons or affixed to a pallet or asset. The sensor is attached using double-sided automotive tape, screws, nylon wire ties or an optional magnetic bracket.

Savi Locate Specifications

MODEL NUMBER	
ST-920-CL	Savi Locate™

PHYSICAL	
LxWxD	15.8 cm x 5.4 cm x 2.8 cm
Color	Green
Weight	108 g

ENVIRONMENTAL	
Temperature	-20°C to +70°C (Operating) -40°C to +85°C (Storage)
Humidity	95% Non-condensing
Shock and Vibration	U.S. Military Standards 810F
Weatherproofing	Designed to meet IP64

WIRELESS	
Frequency	850/900/1800/1900 MHz
Protocol	Quad band GPRS

GPS/LOCATION	
Location Technology	33 Tracking/99 Acquisition Channels; GNSS (GPS/GLONASS)
Location Sensitivity	Tracking: -165 dBM. Cold starts: -147 dBM
Location	Cellular Triangulation Backup

REGULATORY APPROVALS	
Hazardous Substances	RoHS Compliant
EMC/EMI	FCC Part 15, CE
Global Certifications	FCC, CE

ELECTRICAL	
Battery	1200 mAh Lithium Ion Rechargeable Battery

Key Features

- Internal cellular and GPS antennas
- GPRS cellular communication
- Estimated battery life of 80 days continuous operation at 2-hour read intervals
- Motion detection feature enables significant battery life extension
- IP64 weatherproof encasement
- Accelerometer determines shipment's motion, reports movements/stops, and sends more frequent updates when moving

Certifications

- CE
- RoHS Directive 2002/95/EC
- HERO
- FCC Part 15

ABOUT SAVI

Savi delivers live streaming facts and insights about the location, condition, and security of in-transit goods. Using big data analytics, Savi equips shippers, carriers, 3PLs, and governments to optimize supply chain logistics before, during and after transit, reducing costs and inventory while improving service. Savi is trusted to run the world's largest and most complex asset tracking and monitoring network serving the US DoD, Allied military and more than 1000 commercial companies around the globe.

For more information visit savi.com.

savi™

THE VALUE OF KNOWING