Savi Locate™ for Global Multimodal Shipments

The Savi Locate Sensor has an unparalleled global reach, allowing precise real-time tracking of global multimodal shipments anywhere a cellular network exists. With enhanced GPS technology, this high-performance sensor is integrated with Savi Visibility software to deliver an affordable, comprehensive view of in-transit assets.

GLOBAL · INTELLIGENT · FLEXIBLE · AFFORDABLE

4G/3G/2G Cellular and GPS Connectivity

The Savi Locate Sensor is the industry's first truly global 4G/3G/2G high-performance tracking device designed to monitor worldwide inter-modal shipments. Interior sensitive and accurate antennas use enhanced GPS technology to keep tabs on your cargo from either outside or inside most shipping containers. When GPS satellites are not in view, cell tower triangulation can provide an approximate location, allowing sensors to report in from any region of the globe where a cellular network exists.

Software Integration and Alerting

Savi Locate sensors are integrated with Savi Visibility (in-transit visibility software) 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/or 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 configuration on demand. Configurations can be programmed by Savi before shipment or over the air once the sensor is deployed in the field.

Affordable and Durable

The ruggedness of the sensor allows it to be reused many times over if desired. Weatherproof sensors can be attached to the outside of a shipping container, placed within shipping cartons, or affixed to a pallet or asset using double-sided automotive tape, screws or nylon wire ties.

Savi Locate for Global Multimodal Shipments Specifications

MODEL NUMBER	
ST-930-CL	Savi Locate™

PHYSICAL	
LxWxH	21 cm x 6.4 cm x 4.2 cm
Color	Black
Weight	260 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 and Protocol	GSM/GPRS/EDGE: Quad band, 850/900/1800/1900 MHzUMTS/HSPA+: Seven band, 800 (BdXIX) / 850 (BdV) / 900 (BdVIII) / AWS (BdIV) / 1800 (BdIX) / 1900 (BdII) / 2100MHz (BdI) LTE: Twelve band, 700 (Bd12 <MFBI Bd17>, Bd28) 800 (Bd18, Bd19, Bd20) 850 (Bd5) / 900 (Bd8) / AWS (Bd4) / 1800 (Bd3) / 1900 (Bd2) / 2100 (Bd1) / 2600 (Bd7)

GPS/LOCATION	
Location Technology	72 Channels; GNSS (GPS/GLONASS)
Location Sensitivity	Tracking: -165 dBM. Cold starts: -146 dBM
Location	Cellular Triangulation Backup

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

ELECTRICAL	
Battery	5200 mAh Lithium Ion Internal Rechargeable Battery

Key Features

- Internal cellular and GPS antennas
- 4G/3G/2G global communication
- Estimated battery life 6 months at 1-hour read intervals
- Motion detection feature enables battery life extension
- IP64 weatherproof encasement
- Meets DOT 2016-17 shipping standards

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