Savi Secure™

The Savi Secure Parent Long Life Sensor is essential for tracking and protecting high-value assets throughout global supply chains. This high-performance, long-life sensor is integrated with Savi Visibility software to enable an affordable, comprehensive view of in-transit assets.

SYNERGISTIC · INTELLIGENT · FLEXIBLE

Holistic, Synergistic Design

Savi employs a holistic, synergistic approach to its security solutions - hardware and software are designed and optimized to work in concert. Savi Secure sensors are programmed using customer-defined specifications to meet unique business case needs and seamlessly integrated into Savi Visibility™, our proprietary in-transit visibility software. All Savi Secure Parent Long Life sensors have a battery life of up to 60 days at two hour reporting intervals.*

Savi Secure Parent sensors may be used alone for antitampering or security purposes or used in conjunction with up to twenty-four Savi Secure Child sensors. Each Parent sensor wirelessly connects to all associated Child sensors and periodically receives and sends security and environmental status updates via GSM network to Savi Visibility.

Customizable Configurations and Alerts

Savi Secure sensors continuously monitor the shipment environment and instantaneously send alerts to Savi Visibility when exceptions to pre-defined threshold conditions occur—whether location, time, geozone, shock, vibration, motion, stoppage or any other event combinations. Sensors are programmed to send updates at varying intervals depending on 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 firmware on demand. Configurations can be programmed by Savi before shipment, at a customer's facility, or over-the-air once the sensor is in the field.

*Savi Secure also available with shorter battery life

Savi Secure Long Life Specifications

MODEL NUMBER	
ST-900-CP	Savi Mobile Security Parent

PHYSICAL	
LxWxD	88mm x 46mm x 168 mm
Standard Cable Length	300 mm
Weight	0.48 kg

ENVIRONMENTAL	
Temperature	-30°C to +50°C, Operating -40°C to +70°C, Non-operating
Humidity	95% RH@ 50°C Non-condensing
Shock and Vibration	U.S. Military Standards 202G and 81 OF, SAE J1455
Weatherproofing	Designed to meet IP67 weatherproofing

WIRELESS	
Frequency	433 MHz, 850/900/1800/1900 MHz
Protocol	Quad-Band GPRS and Savi Proprietary Protocol 22- channel GPS with Cellular

GPS/LOCATION	
Location Technology	22 Tracking/66 Acquisition Channels; GPS L 1 CIA code
Location Sensitivity	Tracking: -165 dBM. Cold starts: -147 dBM
Time -To-First-Fix	Cold starts: 30s (typ); hot starts: 1 s (typ); Warm starts: 28s (typ)
Location Accuracy	Horizontal position: <2.5m
Location	Triangulation Backup

REGULATORY APPROVALS	
Hazardous Substances	RoHS Compliant
EMC/EMI	SAE J1113;FCC-Part15B; Industry Canada
Global Certifications	FCC, CE, I-SFE XPI/17553/16.0757

ELECTRICAL	
Battery	8400 mAh Lithium Ion Rechargable Battery

Key Features

- Internal cellular and GPS antennas
- Built-in geofences
- Long Life : up to 60 days battery life at 2 hour reporting intervals
- 10,000 buffered message storage capacity
- Battery level LED indicator
- IP67 weatherproof encasement
- Intuitive security cable lock

Certifications

- CE
- ISafe: [Ex ib] IIB Gb
- IA No. : S-XPI/16.0757 X
- RoHS
- UL
- FCC Part 15
- FCC ID: KL7ST-900CP

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