

# Savi Signpost-Reader



Unlike the Savi Signpost (SP-651), the Savi Signpost-Reader (SP-652) includes a built-in ISO 18000-7 reader. The Savi Signpost-Reader enhances ISO 18000-7 compliant installations by working together with Savi's RFID tags and readers. Signpost-Readers provide a low frequency (LF) wake-up capability that allows for the precise location and identification of assets as they pass through gates and chokepoints

The Savi Signpost-Reader can be deployed by itself or together with Savi Signposts to read data from tags within the proximity of any Signpost. The Signpost-Reader captures tag data and forwards the precise location of the asset to Smartchain® Site Manager or other applications built using the SmartChain Developer's Toolkit.

Dual-mode capability allows the Signpost-Reader to operate in both ISO 18000-7 and ANSI INCITS 256 modes. The Signpost-Reader can detect both kinds of tags when they are within range. Utilizing innovative LF technology, the Signpost-Reader activates only those tags within its immediate vicinity, allowing them to report their location and status to the reader embedded in the device. The Signpost-Reader can catch high volumes of tagged items moving at up to 60 mph (97 kph), creating a highly reliable tracking solution that integrates with existing supply chain

## Specifications

### Model Numbers

SP-652-111CN:DM	Closed loop active RFID system fixed reader and short-range Signpost
SP-652-111-WWW CN:DM	Closed loop active RFID system fixed reader and short-range Signpost w/worldwide plugs
SP-652-211 CN:DM	Closed loop active RFID system fixed reader and short-range Signpost
SP-652-211-VW CN:DM	Closed loop active RFID system fixed reader and short-range Signpost w/worldwide plugs

### Physical

Dimensions:	
SP-652-111CN:DM	7.5 in. (19 cm) x 7.5 in. (19 cm) x 3 in. (7.6 cm)
SP-652-211 CN:DM	28 in. (71.1 cm) x 48 in. (121.9 cm) x 5 in. (12.7 cm)
Weight:	
SP-652-111CN:DM	2.0 lbs. (907.2 g)
SP-652-211 CN:DM	12.3 lbs. (5.5 kg)

### Environmental

Temperature:	-32°C to +60°C Operating; -40°C to +70°C Storage
Humidity:	95% Non-Condensing
Vibration & Shock:	MIL-STD-810F
Manufacturing:	RoHS Directive 2002/95/EC
Weatherproofing:	IP54

### Wireless (UHF Transceiver)

Frequency:	433.92 MHz at 0.6 mW peak EIRP, FSK Modulated
Range:	Exceeds 100 ft. (30.5 m)
Air Protocols:	ISO 18000-7, EchoPoint, ANSI INCITS 256

processes. The Signpost-Reader conserves tag battery life by utilizing LF technology to ensure that tags are not read multiple times. Longer battery extends customers' investment in tags and keeps assets visible in the network for longer periods of time.

## Active RFID and ISO 18000-7

Active RFID technology revolutionizes the identification, monitoring and tracking of valuable assets and shipments. Savi helped drive the creation of the active RFID ISO 18000-7 standard to support active RFID interoperability on a worldwide basis. ISO 18000-7 has been adopted worldwide by commercial enterprises and defense organizations. Savi products such as the Signpost-Reader are built to support the ISO 18000-7 protocol and drive effective and accurate real time tracking.

## Features:

- ISO 18000-7 compliant closed loop reader
- Utilizes innovative low frequency technology for more precise locating capabilities
- Conserves tag battery life
- Rugged, weatherproof packaging for indoor and outdoor use.
- Short, medium or long range models available
- Approved for global use (123 kHz transmitter)

## CONTACT US

To learn more about the full range of Savi's solutions, please contact us at (888) 994-SAVI (7284), [info@savi.com](mailto:info@savi.com) or visit [www.savi.com](http://www.savi.com).

## About Savi

Savi Technology provides enterprises and organizations with unique and critical insight through the Savi Sensor Based Analytics Platform. The platform gives enterprises the ability to access, analyze and learn from new data in ways previously impossible, yielding streamlined operations, enhanced security and dramatically improved enterprise decision-making. Savi is headquartered in Alexandria, VA, with operations in Lexington, KY and around the world. Savi was recently named a 2013 Computerworld Honors Laureate for the economic improvements its technology has provided to several countries in Africa. Savi has more than 100 domestic and foreign issued patents covering a variety of technologies and is an active participant in several industry standards bodies including ISO 18000-7. For more information visit [www.savi.com](http://www.savi.com).

## Specifications (continued)

### Wireless (LF Transmitter)

Frequency:	123 kHz
Range:	Adjustable up to 6 ft. (1.8 m) depending on orientation
SP-652-111CN:DM	Adjustable up to 12 ft. (3.6 m) depending on orientation
SP-652-211 CN:DM	Adjustable up to 12 ft. (3.6 m) depending on orientation
Protocol:	EchoPoint Protocol

### Wired Communications

Protocols:	UDAP over Ethernet, Signpost Sync over RS485, Diagnostics over RS232
Firmware:	Supports field updates

### Power

AC Source:	100 - 240 VAC, 50-60 Hz, 0.3 A (max)
DC Source:	12.8 - 30 VDC, 1.2A (max)

### Approvals

Radio Type Approval:	FCC Part 15, ETSI, EN 300 220 (433.92 MHz), EN 300 330 (123 kHz)
EMC & Immunity:	ETSI, EN 301 489
Product Safety:	UL60950/CSA C22.2 No. 60950/IEC/EN60950