

Savi ST-618 Asset Tag



The Savi ST-618 is a rugged active RFID tag ideally suited for the locating, tracking and managing of medium to high value assets in both defense and commercial applications. The ST-618 carries enough memory to record asset configuration and maintenance records, and is ideal for these functions.

The ST-618 utilizes a replaceable battery to enhance the operational lifespan of the product. The ST-618 has 400 feet (122 m) of range for wake-up, collections and RF read/write. The ST-618 can be installed permanently via fixed hardware, or temporarily using Pressure Sensitive Tape (PST) or a magnetic mounting bracket equipped with high-strength rare earth magnets.

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 ST-618 are built to support the ISO 18000-7 protocol and drive effective and accurate real-time tracking.

Specifications

Model Numbers

ST-618-030	Baseline asset tag
ST-618-030 CN:MB	Asset tag with mounting bracket
ST-618-030-CN:MM	Asset tag with magnetic mount
ST-618-030-NSN	NSN baseline asset tag with label
ST-618-030-NSN CN:MB	NSN asset tag with mounting bracket and label
ST-618-030-NSN CN:MM	NSN asset tag with magnetic mount and label

Physical

Dimensions:	6.2 in. (15.8 cm) x 2.1 in. (5.4 cm) x 1.1 in (2.8 cm)
Weight:	3.8 ounces (108 g)
Color:	Green
Beeper:	Audible beeper for tag location

Environmental

Temperature:	-32°C to +70°C Operating; -40°C to +85°C Storage
Humidity:	95% Non-Condensing
Vibration & Shock:	MIL-STD-810F
Weatherproofing:	IP64
Manufacturing:	RoHS Directive 2002/95/EC

Wireless (UHF Transceiver)

Frequency:	433.92 MHz at 0.6 mW peak EIRP, FSK Modulated
Range:	400ft. (122m) operating read/write range (outdoors, non-obstructed)
Protocols:	ISO 18000-7, EchoPoint

Wireless (LF Receiver)

Frequency:	123 kHz
Range:	Up to 12 ft. (3.6 m) from Savi SP-651-211 Long Range Signpost or Savi SP-652-211 Signpost Reader
Protocol:	EchoPoint Protocol

Benefits of Savi's Low Frequency (LF) Technology

Savi products support LF technology, which allows users to locate assets with greater precision. Savi's LF solution does this by focusing the tag wake-up field so that tags are not read multiple times, thus conserving tag battery life. Savi's LF Signposts can capture assets passing through a chokepoint at speeds up to 60 mph (97 kph). Robust and scalable, Savi's LF solution tracks assets and items throughout the supply chain effectively and automatically.

Features:

- ISO 18000-7 compliant active RFID asset tag
- 2 Kbytes of memory for recording asset configuration and maintenance data
- 400 ft. (122 m) of range for wake-up, collections and RD read/write
- Replaceable battery with typical life of five years
- FCC, ETSI, HERO and RoHS certified

Specifications (continued)

Power	
Battery Type:	3.6 V lithium, replaceable by user without tools
Battery Life:	Approximately 5 years at 2 collections per day
Digital	
Database Memory:	On-board, non-volatile memory 2 Kbytes
Approvals	
Radio Type Approval:	FCC Part 15, ETSI EN 300 220 (433.92 MHz)
EMC & Immunity:	ETSI EN 301 489
Ordnance:	HERO Certified, ARDEC rating of 1 in. (2.5 cm)

CONTACT US

To learn more about the full range of Savi's solutions, please email us at info@savi.com or visit 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.