

**Features:**

Long-range (100 M) monitoring of thousands of tagged items within yards, terminals, maintenance facilities and other locations outfitted with Savi Readers.

Precise locating of tagged items at railroad junction points, gates, fuel lanes, parking slots and other locations outfitted with Savi Signposts.

High-speed, multi-tag collection (100's of tags) at vehicle lanes and other portals.

Global frequencies for worldwide use.

Small, rugged form factor.

Designed for mounting directly to metal surfaces.

Durable design to withstand harsh environmental conditions.

**About Savi**

With over 16 years experience, Savi is a proven leader in RFID solutions for the management and security of supply chain assets, shipments and consignments. Savi's integrated RFID hardware and software solutions drive business value, such as reducing supply chain assets, inventory and operational costs. Founded in 1989, Savi Technology is a wholly-owned subsidiary of Lockheed Martin, with headquarters in Sunnyvale, California, and offices in Johannesburg, London, Melbourne, Singapore, and Washington D.C. For more information, visit www.savi.com.

Contact Savi

Let us show you how Savi's supply chain solutions can work for your organization. In the United States, call toll-free 800-428-0554, international customers dial 408-743-8000. Contact Savi Asia at 65-62411191, Savi Australia at +61 03 9882 4430, and Savi EMEA at +44 1344 742 815 (Great Britain), or +2711 469-3144 (S. Africa). Visit www.savi.com or email us at sales@savi.com.

SaviTag ST-604

Built on Savi's EchoPoint™ technology, the SaviTag ST-604 takes real-time data collection to a new level. The SaviTag ST-604 merges long-range communication with precise spot-level locating - together with a truly attractive price point. This combination of features enables highly reliable tracking without impacting your existing business operations. Designed for the robust demand of global supply chains and ideal for railcars and other intermodal containers, the SaviTag ST-604 provides effective and automatic tracking of assets throughout the supply chain.

EchoPoint™ Technology

Savi's EchoPoint technology is a new, innovative and patent pending technology that leverages the best features from several traditional RFID technologies into a single, highly cost effective solution. Using two operating frequencies, EchoPoint combines long-range communication with precise spot-level locating. Together with worldwide acceptance and low infrastructure costs, EchoPoint is uniquely suited to the demands of today's global supply chains.

**Specifications**

Physical	Dimensions:	15.8 cm(6.25 in.) x 4.3 cm(1.7 in.) x 3.2 cm(1.3 in.)
Environmental	Temperature:	-32°C to +70°C Operating; -40°C to +85°C Storage
	Humidity:	100% Condensing
	Vibration:	MIL-Std-810E Method 514.4, Category 10
	Shock:	MIL-Std-810E Method 514.6, Category 10
LF Receiver	Frequency:	123 kHz for ST-604-1x, 132 kHz for ST-604-0x
	Range:	Up to 4 meters (12 feet)
	Modulation:	ASK
	Bandwidth:	5 kHz
	Data Rate:	1400 bps
UHF Transmitter	Frequency:	433.92 MHz
	Range:	100 meters
	Modulation:	FSK; +/- 50 kHz
	Transmission Power:	0.025 mW average EIRP
	Data Rate:	28 Kbps
	Air Protocol:	Savi EchoPoint Air Protocol
Operation	Beacon:	Enable/disable via LF Receiver Adjustable beacon rate of 10 sec. to 9 hr.
	Response to Signpost:	Portal: Tag returns ID, status and signpost ID to upon entering signpost field and periodically while tag remains in signpost field.
Memory	Factory-Programmed ID:	4 bytes, read only
	User ID:	16 bytes, read/write
	User Memory:	16 bytes, read/write
Power	Battery Life:	10 years (10 read events/day; beacon rate of once per minute)
	Battery Indicator:	Battery status indicated in every beacon and signpost response
	Battery Type:	Non-replaceable, non-rechargeable
Approval	Type:	FCC Part 15, ETSI EN 300 220-1, ETSI EN 300 330

About Lockheed Martin

Headquartered in Bethesda, Md., Lockheed Martin employs about 135,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The corporation reported 2005 sales of \$37.2 billion.

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