Savi

Savi Mobile Reader (SMR-650)

Built to support the ISO 18000-7 protocol, the Savi SMR-650 Mobile Reader is an integrated mobile, low profile, lightweight reader used to commission, identify and configure Savi active RFID tags.

The SMR-650 augments Savi Fixed Reader coverage with the operational flexibility provided by portability. Using the SMR-650, a user can quickly and easily locate specific assets in areas with minimal or no infrastructure. The SMR-650 is a key component of Savi's active RFID solutions for real-time, end-to-end visibility of goods and critical assets moving through the supply chain.

Dual-mode capability allows the SMR-650 to operate in both ISO 18000-7 and ANSI INCITS 256 modes. The SMR-650 is fully compatible with both kinds of tags.

The SMR-650 includes a USB interface connector and works in conjunction with a notebook, desktop PC or other devices with standard USB serial connectors. The SMR-650 can communicate with Savi tags from a distance of up to 150 feet (46 m).

Specifications

Model Numbers	
SMR-650-218 CN:ISO	ISO 18000-7 only active mini transportable reader with 9 ft. (2.7 m) USB cable
SMR-650-213 CN:DM	Dual-mode active mini reader with 9ft. (2.7 m) RS-232 cable
SMR-650-217	Dual-mode active mini closed loop reader with 20 in (50 cm) USB cable
SMR-650-218	Dual-mode active mini transportable readier with 9 ft (2.7 m) USB cable

Physical	
Dimensions:	6.25 x 2.5 x 1 in. (15.9 x 6.3 x 2.5 cm) *includes antenna*
Weight:	6.4 ounces (181 g)

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

Wireless (UHF Transceiver)	
Frequency:	433.92 MHz at 0.6 mW peak EIRP, FSK Modulated
Range:	150 ft. (46 m) line-of-sight reader and tag
Protocols:	ISO 18000-7, EchoAir, ANSI INCITS 256

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Features:

- ISO 18000-7 compliant active RFID mobile reader
- Lightweight, low profile
- Reads and configures active RFID tags
- Compatible wtih the ANSI INCITS 256 tags in active use today
- Short range, low frequency transmitter for commissioning tags
- Long range, two-way UHF receiver/transmitter for tag wake-up, read and write

Specifications (continued)

Wireless (LF Transmitter)	
Frequency:	123 kHz
Range:	Up to 3.5 ft. (1.1 m)
Protocol:	EchoPoint

Power	
Source:	USB; AC Adapter (for SMR-650-213 CN:DM)

Network	
Interface:	RS-232 cable (SMR-650-213 CN:DM) or USB (SMR-650-217/218)

Approvals	
Radio Type Approval:	FCC Part 15, RSS 210, EN 300 220 (433 MHz), EN 300 330 (123 kHz)
EMC & Immunity:	IEC 60601, EN 301 489
Product Safety:	AC Adapter to UL60950/CSA C22.2 No. 60950/IEC/EN60950
Ordnance:	HERO Certified (Unit will meet a 4 in./10.1 cm safe separation distance)
Hazardous Location:	UL 1604, Division 2, Class I, Groups A,B,C,D; Class II Groups F,G; Class III

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 organizations with operational analytics – the ability to collect and convert operational information into useful knowledge – from physical objects like supplies, equipment and cargo. The Savi Sensor Based Analytics 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 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.