



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.

PRECISE • EFFICIENT • PORTABLE

Flexible and Portable Device

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.

Connect to Other Systems

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 to a distance of up to 150 feet (46 m).



Savi Mobile Reader (SMR-650) Specifications

MODEL NUMBER

SMR-650-218 CN:ISO	ISO 18000-7 only active mini transportable reader with 9 ft. (2.7 m) USB cable
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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

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
Protocol	ISO 18000-7

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)
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NETWORK

Interface	RS-232 cable (SMR-650-213 CN:DM); USB (SMR-650-217/218)
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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 UL60950/CSA C22.2; No. 60950/IEC/EN60950
Ordnance	HERO Certified (4 in./10.1 cm safe separation distance)
Hazardous Location	UL 1604, Div. 2, Class I, Gps. A,B,C,D; Class II Gps. F,G; Class III

Key Features

- ISO 18000-7 compliant active
- Lightweight, low profile
- Reads and configures active RFID tags
- Short range, low frequency transmitter for commissioning tags
- Long range, two-way UHF receiver/transmitter for tag wake-up, read and write

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.

