



Specification Sheet

Savi® Handheld Reader Kit with Intermec® CK61G



The Savi Handheld Reader Kit with Intermec CK61G is ISO 18000-7 and ANSI INCITS 256 compatible, and provides backward compatibility with the three million ANSI INCITS 256 tags in active use in the RF-ITV Network.

The reader can scan and process data from standard linear, matrix, 1D and 2D bar code. The kit is designed to help users quickly locate, identify and track supply chain assets in austere environments.

The kit is comprised of:

- Intermec CK61G Mobile Computer
- Intermec CK61G Accessories (Docking Station, Power Charger and Data Cables)
- Savi SMR-650 Mobile Reader
- Savi Softcase for the Intermec CK61G and SMR-650
- SmartChain® Mobile software application

The Savi Handheld Reader Kit is a user-friendly device with interfaces that were designed to make the unit easy to operate. The Intermec CK61G Mobile Computer is a lightweight handheld device with an ergonomic keyboard. The SmartChain Mobile software application user interface does not require a stylus and can be operated by personnel wearing gloves.

Designed for rugged environments, the device can withstand four-foot (1.2 m) drops, and features a magnesium cover, tough rubber bumpers at each corner and a case that is sealed against water and

Specifications

Model Numbers

CK61-KIT-C-531	Active handheld RFID reader using the Intermec CK61G and SMR-650
CK61-KIT-E	Upgrade kit with components that allow the creation of a CK61-KIT-C-531 out of a fielded Intermec CK61G handheld. Includes SMR-650 configured for the CK61G, docking station adapter, Savi SmartChain Mobile, soft case and shoulder strap.

Physical

Dimensions:	CK61G: 8.7 in. (22.2 cm) x 3.5 in. (9 cm) x 2.1 in. (5.5 cm) *includes antenna* x 2.5 in. (6.3 cm) x 1 in. (2.5 cm)
Weight:	Total 31.2 ounces (885 g); CK61G: 24.8 ounces (704 g); SMR-650: 6.4 ounces (181 g)
Display:	Transflective TFT w/ LED backlight: 3.8 in. (9.7 cm) QVGA Color w/ touch panel
Keypad:	58-key w/ full alphanumeric keys and LED backlighting

Environmental

Temperature:	-10°C to +50°C Operating; -40°C to +60°C Storage
Humidity:	95%, Non-Condensing
Altitude:	Max 40,000 ft. (12.1 km); Rate of change 2,000 ft. (610 m) per minute
Electrostatic Discharge:	±8kV Contact Discharge; ±15kV Air Discharge
Drop Survival:	Multiple 4 ft. (1.2 m) drops
Vibration & Shock:	MIL-STD-810F
Weatherproofing:	IP64

Memory and Storage

RAM Memory:	128 MB
Flash ROM:	256MB (non-volatile memory, User accessible)
On-board ROM:	64 MB (non-volatile memory holding WinMobile 5.0 OS)

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dust. The Savi Softcase also provides an additional layer of protection and holds the Savi Mobile Reader at the optimal angle for tag collections. The bottom of the Softcase unzips for easy docking and charging of the Intermec CK61G.

The kit features the Savi Mobile Reader (SMR-650), which is an integrated mobile, low profile, lightweight reader module used to commission, identify and configure Savi active RFID tags. Savi Readers are a key component of RFID solutions for real-time, end-to-end visibility of goods and critical assets moving through the supply chain. Savi Mobile Readers provide greater flexibility to locate specific items and augment Savi Fixed Reader coverage with the operational flexibility provided by portability.

Features:

- ISO 18000-7 compliant active RFID handheld reader
- Battery operated, portable device for reading and writing to both ISO 18000-7 and ANSI INCITS 256 RFID tags
- Ruggedized, ergonomic design for mobility
- Short-range, low-frequency transmitter for commissioning tags
- Long-range RFID enables reading and writing of tags from 200 ft. (61 m)
- Secure computing platform with Windows Mobile 5.0
- FCC, ETSI, HERO and RoHS certified

CONTACT US

To learn more about the full range of Savi's solutions, please contact us at (888) 994-SAVI (7284), 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.

Specifications (continued)

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
Antenna:	Integrated External Whip
Air Protocols:	ISO 18000-7, EchoPoint, ANSI INCITS 256

Wireless (LF Transmitter)

Frequency:	123 kHz
Range:	Up to 3.5 ft. (1.1 m)
Antenna:	Integrated on-board ferrite core antenna
Protocol:	EchoPoint

Network

Interface:	Interface back to network requires mobile computer to be enabled with wireless or wired docking station (USB, Ethernet, WiFi)
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Software

Operating System:	Windows Mobile 5.0
Application:	SmartChain Mobile
Firmware:	Supports Field Updates

Accessories

Mounting:	The Savi Mobile Reader is permanently attached to the CK61G by a cable and held by a Softcase. Includes shoulder strap. CK61G fits into Docking Station and can be charged without detaching Savi Mobile Reader.
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Approvals

Radio Type Approval:	FCC Part 15, ETSI, EN 300 220 (433.92 MHz), EN 300 330 (123 kHz)
EMC & Immunity:	IEC 60601, ETSI, 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