

In-Vehicle Master (IVM)



IVM is an essential hardware component in the GPS/GSM based Savi Tracking. As a Master device, the IVM supervises and monitors Slave devices which include:

- Seal Lock Asset (SLA)
- Seal Lock Environmental (SLE)
- Seal Lock Slave (SLS)

The IVM is a vehicle-mounted RFID Reader with GPS acquisition that reports its own status and that of any associated Slave devices to servers through cellular (GSM/GPRS) networks. The RF transceiver of the IVM wirelessly monitors all Savi Active RFID Slave devices within range and reports the security and – where applicable - environmental status of these devices to the designated Savi Tracking server.

Having the real-time knowledge whether intervention is needed or not is all part of the Value of Knowing™.

Specifications

Envotech Model Numbers	
RS-IVM-024B	Radio Frequency IVM, with External Antenna
RS-IVM-024B-IA	IVM with Integrated Antenna
Physical	
LxWxD	131mm x 70mm x 25mm
Weight	250gm
Environmental	
Temperature	-30°C to +70°C
Humidity	95% non condensing
Weatherproofing	Designed to meet IP54 weatherproofing
Wireless	
Frequency	ISM 2.4GHz QFSK modulation
Active Transmit Power	<18dBm (~100mW)
Range	400m L.O.S. (Line of Sight)
Protocol	Proprietary
Air Data Rate	250kbps
GSM/GPRS	
Bands	GSM/GPRS/EDGE Quad Band
SIM	Dual-SIM slots (Primary & Secondary)
GPS	
Channel	SiRF Star III 16 CH Optional Extended Ephemeris aGPS 3D Accelerometer
Antenna	Active antenna with 2.5m cable

Specifications (continued)

Electrical	
Input Voltage	8v to 30v
Backup Battery	Rechargeable 3.6v, 1.5AH Lithium Ion
Active Current Drain	240mA
Inactive Current Drain	10mA
RF Data	
Packet Data	32 bytes per FIFO
Interface	
Audio/Voice	Optional
Digital Input/Output	8
Analog Input/Output	4
RS232	
USB-OTG	
Product Accessories	EVT Model Number
IVM 2 Programming Tool	EN-PL2303-IVMMK1-PC1
IVM Car Charger	EN-CCHG-12V

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.