



Specification Sheet

Savi Portable Deployment Kit



The Savi Portable Deployment Kit (PDK) provides a complete active RFID solution for real-time, end-to-end visibility of goods and critical assets moving through the supply chain at any location and in any environment.

The Savi PDK includes the laptop, handheld computer, mobile reader, printer, software and communications equipment needed for asset tracking, and cargo and personnel manifesting, in a self-contained, durable carrying case. The PDK allows DoD Movement Control Teams (MCT) to quickly set up mobile operations, automating the collection, aggregation and deaggregation of cargo and passenger manifest data. The PDK also enables active RFID tag read and write capabilities, and prints Military Shipping Labels (MSLs) with updated shipment information.

The PDK is operational right out of the box – no additional software configuration is required on-site. Customers can also, optionally, load their own applications on the included laptop. A GPS unit captures the PDK's latitude and longitude coordinates. These coordinates and the tag data collected by the PDK are then communicated to Savi SmartChain® Site Manager and forwarded to the RF-ITV Network via an Iridium Modem.

Specifications

Model Numbers

TAV-PDK1-RI001-042	Portable deployment kit with printer
TAV-PDK1-RI001-041	Portable deployment kit without printer

Physical

Dimensions	24 in. (61 cm) x 20 in. (51 cm) x 11.5 in. (29.2 cm)
Weight	63 lbs. (28.6 kg) with printer; 57 lbs. (25.8 kg) without printer
Case Material	Black with solid injection-molded plastic body and hinged lid
Packaging	NEMA 3; Rugged, weatherproof packaging for indoor and outdoor use
Hardware Included	Itronix ruggedized laptop, Iridium Modem with GPS and Antennas, Intermec CK70 Handheld Computer, Savi Mobile Reader, Zebra Label Printer
Software Included:	Savi SmartChain Site Manager, SmartChain WorkStation and SmartChain Mobile

Environment

Temperature	-20° C to +60° C Operating (Case Lid Open); -40° C to +70° C Storage
Humidity	100% Condensing
Vibration and Shock	MIL-STD-810F

Power

Input DC Source	12-30 VDC (Fuse Protected Input)
Input DC Cable Length	10 ft. (3 m)
Input DC Cable	NATO Slave Connector (+24 Vdc Input); Cigarette Lighter Adapter (+12 Vdc)
Input AC	AC power supply w/ universal plug adapter kit

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Active RFID and ISO 18000-7

Active RFID and ISO 18000-7 Active RFID technology revolutionizes the identification, monitoring and tracking of valuable assets and shipments. Savi helped drive the creation of the active RFID ISO 18000-7 standard to support active RFID interoperability on a worldwide basis. ISO 18000-7 has been adopted worldwide by commercial enterprises and defense organizations. Savi products such as the PDK are built to support the ISO 18000-7 protocol and drive effective and accurate real-time tracking.

Features:

- Enables fast, direct access to the RF-ITV Network and Savi SmartChain® Enterprise Platform from any location
- Rugged, portable system designed for use in austere environments
- Scalable when combined with Early Entry Deployment Support Kit (EEDSK)
- Rechargeable battery that can be powered by military or civilian vehicles
- Read range of up to 300 ft. (61 m)
- Reads 1D and 2D bar code from MSLs and CAC cards
- Internet Protocol version 6 (IPv6) and ISO 18000-7 compatible
- Meets two-person lift requirements

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

Leveraging 25 years of leadership in sensor technology, Savi is pioneering sensor analytics solutions that create operational intelligence from the Internet of Things. Applying big data technologies to machine-generated data, Savi solutions are trusted to run the world's largest and most complex asset tracking and monitoring network, serving the U.S. DoD, Allied military and more than 780 commercial companies around the world. For more information about Savi visit www.savi.com.

Specifications (continued)

Interfaces	
Internal System Data	RS-232 for Iridium Modem, Intermec Communications Cable, Zebra Printer, Savi Mobile Reader; USB hub to convert to RS-232 from PC
External System Data	Iridium Satellite Link to the RF-ITV Network; Case equipped w/ external SATCOM and GPS antenna connectors; External pass through connector for Savi Mobile Reader
External DC Power Input	Six-pin, Male, Panel Mount, Weathertight
Indicators	
Iridium Signal Strength	NAL Corp. Iridium signal strength indicator
Accessories	
Subscriber Interface	SIM required for Iridium activation; Purchase from DISA (http://www.disa.mil)
Fuse Spares	Type 3AG, 250V, 5A
External Power Supply	Universal AC input to PDK