

PACKAGE TRACKER PT100-C

The Problem

Property worth millions of dollars is lost, misplaced or stolen every day while in the hands of package delivery services. Companies around the world lose both money and customers through mishandled shipments.

The Solution

Sendum's Package Tracker PT100-C is a small wireless package tracking device specifically designed to meet the needs of carriers who need to track high-value packages. Unlike other solutions, the PT100-C is specifically designed for packages: small size, low cost and a long battery life.

Cost Control

Accurate location determination means no more lost, misplaced or stolen assets. Lower costs are achieved through increased throughput and higher productivity, as well as fewer staff required for package tracking and inventory management.

Customer Satisfaction

Successful delivery companies report package waypoint location to customers. Absolute location results in a higher level of confidence.

How it Works

Using GPS technology, Sendum's Package Tracker quietly reports the package's exact location. When polled by the user (via secure Internet or phone connection), the Sendum unit reports the package's location using wireless communications.

PRODUCT FEATURES

- Small rugged portable package
- Internal antenna
- Easy to hide
- More sensitive than conventional GPS systems
- Uses cellular and PCS channels
- Over-the-air device management
- Operates on existing cellular E911 GPS reference service

PRODUCT BENEFITS

- Can be discreetly inserted into a variety of package sizes
- Works where conventional GPS doesn't
- Available to approximately 90% of US population*
- Central package location management
- Available on the largest PCS and cellular networks in North America



PACKAGE TRACKER PT100-C

Property worth millions of
dollars is lost every day

Find it with Sendum's PT100-C

PT100-C

TECHNICAL SPECIFICATIONS**

MECHANICAL

- **Size:** L x W x H
 - 7.5 cm x 5 cm x 2 cm
 - 3 in x 2 in x 0.8 in
- **Weight:** Approximately 150g
- **Enclosure:** Plastic, water-resistant
- **Indicators:** Tricoloured LED
- **Vibration:** Up to 500Hz random vibration 1.25G rms
- **Temperature:**
 - Operating: -20° to +60°C
 - Storage: -40° to +80°C
- **Humidity:** <95% non-condensing

LOCATION TECHNOLOGY

- **Location Technology:** Qualcomm gpsOne™
- **Position Accuracy:**
 - Open sky: 5-10 meters (15 to 30 feet)
 - Impaired: <20 meters (<60 feet) 95% of the time

DATA SERVICES

- **Packet Data Speed:** Up to 115kbps***
- **Async Data Speed:** 9.6 kbps and 14.4 kbps
- **TCP/IP Connection:** Yes
- **Quick Net Connect Support:** Yes

BATTERY

- **Battery Pack:** 3.7V LiPoly
- **Current Draw Stand-by:** 12mW
- **Current Draw Transmit:** 0.65W
- **Battery Life:** 21 days****

NORTH AMERICAN FREQUENCY BANDS

- **Cellular band:**
 - Rx- 869 through 894MHz
 - Tx- 824 through 849MHz
- **PCS band:**
 - Rx- 1930 through 1990MHz
 - Tx- 1850 through 1910MHz
- **GPS band:** Rx-1575.42 (L1 carrier)

CDMA SPECIFICATIONS

- **TIA/EIA IS-2000:** Release 0 Standard (with Ballot resolution version of the Addendum), which provides the cdma2000 Multi-Carrier 1X and 3X air interface specification.
- **TIA/EIA IS-95-B:** Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems.
- **TIA/EIA-98-D:** Recommend Minimum Performance Standards for Dual Mode Spread Spectrum Cellular Systems.
- **TIA/EIA-637-A:** Short Message Services for Wideband Spread Spectrum Cellular Systems.
- **TIA/EIA/IS-683-A:** Over-the-Air Provisioning of Mobile Stations in Spread Spectrum Systems.
- **TIA/EIA/IS-707-A-2:** Data Services Options for Wideband Spread Spectrum Systems.
- **TIA/EIA/IS-801:** Position Determination Service Standard for Dual Mode Wideband Spread Spectrum Systems.
- **Compliance:** FCC parts 2, 15, and 90

*Source Verizon Wireless

**Preliminary Specifications: subject to change

***System dependant

****Contact Sendum for a user profile