

asset tracking beacon

The Contigo 8100 is a wireless asset tracking beacon designed for covert asset tracking, theft recovery and personal safety.

The Contigo 8100 utilizes state of the art location technology and is ideal for asset tracking applications because it is small, has a long battery life, and can be located indoors and in other challenging places where conventional GPS fails.



features and benefits

feature	benefit
Single point locate	• Low cost usage as needed
Real-time tracking	• High frequency tracking mode assists with theft recovery
Scheduled tracking	• Sends out an automated locate on a schedule
Zone alert	• Sends an alert if the beacon reports outside an allowed zone
Small, rugged and portable	• Can be discreetly inserted into a variety of package sizes
Hybrid-assisted GPS system	• Can be located where conventional GPS fails, even indoors
Extended battery life	• Up to 10 days on a single charge
Internal antennas	• Completely self contained, unlike traditional GPS tracking beacons
Uses cellular and PCS channels	• Available to approximately 90% of US population
Operates on existing cellular E911 GPS reference service	• Robust network ensures reliable performance

specifications

Mechanical

- **Size: L x W x H**
 - > 3.19 in x 1.85 in x 0.81 in
 - > 81 mm x 47 mm x 20.5 mm
- **Weight:** Approximately 2.73 oz (77.4g)
- **Enclosure:** Plastic, water-resistant
- **Indicators:** Power LED
- **Vibration:** Up to 500Hz random vibration 1.25G rms
- **Temperature:**
 - > **Operating:** -4° to 140°F (-20° to +60°C)
 - > **Storage:** -22° to 176°F (-30° to +70°C)
- **Humidity:** 5% ~ 95% no condensing at 140°F (+60°C)

Location Technology

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

Battery

- **Battery Pack:** 3.4~4.3V Li-Ion
- **Current Draw Stand-by:** 100mA
- **Current Draw Transmit:** 750mA (max)
- **Battery Life:** 9 days (hourly position reporting)

Wireless Network Compatibility

- **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)
- **Compliance:** FCC parts 2, 15, and 90