

Asset Tracking Beacon

No matter how good a security infrastructure is, product theft and inventory shrinkage are a fact of life. In fact, property worth millions of dollars is lost, misplaced or stolen every day from construction sites, warehouses or while in transit.

The 8200 is a wireless asset tracking beacon specifically designed to meet the needs of business owners with high value assets that are at risk of being stolen. The 8200 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

Features	Benefits
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 30 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
 - > 2.5 in x 1.25 in x 0.6 in
 - > 6.35 cm x 3.2 cm x 1.5 cm
- **Weight:** Approximately 5.3 oz (150g)
- **Enclosure:** Plastic, water-resistant
- **Indicators:** Bicolor LED
- **Vibration:** Up to 500Hz random vibration 1.25G rms
- **Temperature:**
 - > Operating: -4 to 140 F (-20 to +60 C)
 - > Storage: -40 to 176 F (-40 to +80 C)
- **Humidity:** <95% non-condensing

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:** 3.7V Li-Ion
- **Current Draw Stand-by:** 12mW
- **Current Draw Transmit:** 0.65W
- **Battery Life:** 1800 mAh battery: Up to 10 days
3600 mAh battery: Up to 30 days

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

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