

## 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 Guardian 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 Guardian 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

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 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:** Bi-color 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