

## powered or portable asset beacon

The Contigo 1600 is designed for the monitoring and recovery of powered and portable assets. The 1600 is weatherproof and includes a motion sensor, high-sensitivity GPS, zone monitoring, configurable alerts, and connections for vehicle power or a 90 day battery pack.

For portable asset tracking applications, the 1600 is an ideal solution for portable items of value, such as lumber, tools, appliances, equipment and conduit. For powered asset tracking applications, the 1600 is suited for monitoring construction equipment, fleet vehicles or passenger vehicles.



## features and benefits

features	benefits
Motion activated	• Sends an immediate alert if a stationary beacon begins to move
Motion or time based position reporting	• Provides flexible and cost effective position reporting
Start/Stop reporting	• Basic position reporting mode for low cost usage
Scheduled status report	• Sends out an automated status message on an hourly, daily or weekly basis
Scheduled Hours of Operation	• Provides configurable schedules to manage data usage and alerts
Zone alert	• Sends an alert when the beacon crosses into or out of a defined area
Speed alert	• Sends an alert if the beacon exceeds a specified speed threshold
Power cut alert	• Provides a notification if the main power to a vehicle or asset is cut (requires VAM)
Run time meter	• Provides a scheduled report of run time hours for the engine or another switched input (such as a PTO)
Low battery alert	• Provides an alert if the batteries are low
High sensitivity GPS receiver	• Provides a location fix in impaired signal environments
Internal or external GPS antenna	• Enables flexible installation options
Weather resistant	• Safe for installation on outdoor equipment*
Communications via GSM wireless	• Widest available wireless coverage
SMS data transport	• Reliable and cost effective for low volume usage
LED status indicator	• Assists with installation and troubleshooting

\* Following installation guidelines provided with beacon

## specifications

### GPS

General:	L1, C/A code
Sensitivity:	Min -136 dBm acquisition
Frequency:	1575.42 MHz
Accuracy:	Horizontal <6 meters (50%) Altitude <11 meters (50%) Velocity 0.06 m/sec Impaired: <18 meters, 95% of the time

### Communications

GSM:	Normal MS-SMS data only
Bands:	850/900/1800/1900 MHz

### Antennas

Cellular:	GSM Internal
GPS:	Internal built-in, External optional

### Power Sources

Vehicle adapter module (VAM):	9 to 32 V DC, Up to 4 hours battery life when main power is cut
Battery module:	4 AA alkaline batteries (not included) Up to 90 days (10 reports/day, -130 dBm GPS)

### Current draw:

Maximum surge:	1 A
Transmit:	80 mA
Stand-by:	15 mA

### Mechanical/Environmental

Size:	2.99" x 5.78" x 1.44" (76 x 143 x 38mm)
Weight:	7.2 oz (205 g) not including batteries 10.5 oz (300 g) with 4 AA alkaline batteries
Operating temperature:	14°F to 131°F (-10°C to +55°C)
Humidity:	5% to 95% non-condensing at 104°F (40°C)
Vibration:	0.008 g <sup>2</sup> /Hz, 5 Hz to 20 Hz 0.05 g <sup>2</sup> /Hz, 20 Hz to 100 Hz -3 dB/octave, 100 Hz to 900 Hz
Housing:	Plastic, weather resistant to wind-driven rain and dust per IP 55 standard (except when used with external GPS antenna)