



SATELLITE ASSET TRACKER

Features:

- Rugged design for extreme environments
- Exceeds IP68 and NEMA 6P & MILSTD 810f requirements
- Multiple mounting options available

Totally self-contained unit includes:

- GPS with antenna
- Satellite transmitter with antenna
- Motion detector
- Multi-year battery
- Line power capable

Overview:

PeopleNet Asset Tracker represents a breakthrough in satellite-based asset monitoring and tracking technology. Operating on Globalstar's Low Earth Orbit (LEO) simplex satellite data network, the PeopleNet Asset Tracker provides GPS visibility, event monitoring and remote asset data on a near global basis. Ideal for low volume messaging with mission critical data, the PeopleNet Asset Tracker provides commercial and government customers with the most cost-effective satellite solution available for both fixed and mobile applications such as intermodal shipping containers, trailers, buoys and barges.

Innovative, Compact, Rugged Design

The PeopleNet Asset Tracker carries the highest environmental ratings available for any satellite or terrestrial tracking device, recently receiving HERO (Hazards of Electromagnetic Radiation to Ordnance) Certification and meeting or exceeding 16 methods within the MIL-STD 810F requirements, making it the most rugged satellite tracking tag available today. Its compact size makes it ideal for almost any container or asset since it is only 7.25" x 3.25" x 1" (184 x 83 x 25mm) and weighs only 13 ounces (369 g).

Long-Life, Low Maintenance, Easy Install

Delivering years of uninterrupted service on a single and easily replaceable lithium battery, PeopleNet Asset Tracker can be installed, activated and operational in less than one minute.



Overview: (cont.)**Cost-Effective Global Coverage**

Satellite communications provide near-global coverage and the Simplex Data Network provides the most cost-effective solution available for monitoring assets from continent to continent and across urban and remote areas. Not only are LEO satellite communications more reliable for data transmission than terrestrial systems, they also offer substantial benefits over Geostationary Earth Orbit (GEO) satellites. The advantages include lower power requirements, reduced latency, less shadowing from buildings, stacked containers, etc. and, more importantly the redundancy and increased reliability of single satellite failure.

Total Asset Visibility

With its associated satellite network, optional web-based mapping and asset management our solution allows customers to obtain Total Asset Visibility from any internet connection worldwide. The web-based solution requires no downloads and provides mapping, display, and management tools for many tens of thousands of assets.

Specifications:**PHYSICAL**

Dimensions	170 x 69 x 21 mm
2000 Weight	207 grams with battery
3010 Weight	198 grams with battery

APPROVALS

Radiated Emissions	FCC Parts 15, 22 and 24, PTCRB, GCF, IC, CE, AT&T, Rogers
Safety Approval	EN60079-0, EN60079-15 Zone 2 Category 3

DIGITAL COMMUNICATIONS

Programming	Internal USB Interface
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ENVIRONMENTAL

Temperature	+30° to +85°C Vibration & Shock SAE J1455
Type	IP66/IP68/IP659

GSM SPECIFICATIONS

GSM	Class 4 (2W@ 850/900/850/900/1800/1900 MHz)
MHz	Class 1 (1W@ 1800/1900 MHz)
Antenna	Internal

GPS SPECIFICATIONS

Channels	16
Location Accuracy	-150 dBm, Autonomous
CEP (50%)	<2m (typical)
Tracking Sensitivity	-158 dBm (typical)
Antenna	Internal

SENSOR INFORMATION

Sensor Type	Internal Accelerometer
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POWER

2000 Battery	Internal, Lithium-Thionyl Chloride Pack – Primary 4200mAh
2000 Battery Life	Up to 800 messages depending on configuration
3010 Battery	Internal, Lithium Iron Sulfide Pack – Primary 3000mAh
3010 Battery Life	Up to 600 messages depending on configuration
Shelf Life	10 years @ < 30°C
Replacement	Field replaceable with device removal from asset

MOUNTING OPTIONS

Tape, Screw

ACCESSORY TYPES

Mounting Accessories

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