

GALAXY GTP1000



KEY FEATURES

- True global coverage
- Multi-year battery life
- Installation verification in the field
- Compact design
- Powerful GLS technology

GALAXY GTP1000 / GTP1100



CUTTING EDGE REMOTE ASSET MANAGEMENT

Forged from the combination of the best technologies on the market today, the SkyBitz[®] Galaxy GTP1000 is a state-of-the-art global tracking and monitoring solution. This revolutionary development in technology uses our patented Global Locating System (GLS) coupled with the world's only truly global satellite constellation by Iridium[®]. When combined with a dramatically smaller device footprint and multi-year battery life, the GTP1000 is perfect for tracking mobile assets anywhere in the world.

The self-contained GTP1000 can be easily installed on assets like trailers, containers, and construction equipment using two simple mounting brackets and four screws. A remote antenna feature (GTP1100) allows for stealth installation – leaving only a small antenna visible to the outside world.

The GTP1000 introduces instant installation verification, assuring that each device is installed and connected properly via built-in LEDs, eliminating any guesswork. An optional magnetic key allows users to check battery status and send a diagnostic message while in the field. Replacing batteries is simple because the GTP1000 is powered by off-the-shelf “AA” lithium batteries.

The GTP1000 was built to last. It's ruggedized, low profile, weather proof housing is designed to withstand the harsh environments of the transportation, intermodal, and construction industries. The device can also accommodate a suite of additional sensors, such as cargo, door and tire pressure, which cover a variety of security, environmental and operational reporting requirements.

TOTAL ASSET VISIBILITY THROUGH SKYBITZ INSIGHT

The GTP1000 can be managed through the best-in-class SkyBitz InSight web application for tracking, monitoring and managing a broad range of assets. SkyBitz InSight uses exception based reporting to help customers reduce capital expenditures, optimize asset utilization, eliminate “lost” assets, track stolen assets, and improve customer service. This type of insightful information allows management to make quick and informed decisions to more effectively control their assets.

SkyBitz is the leader in remote asset management and employs a variety of intelligent asset tracking solutions and sensors to monitor and report the location and the condition of assets. SkyBitz GTP1000 delivers operational value, helping customers manage their operations more efficiently. The GTP1000 provides:

- **In-Transit Visibility** – SkyBitz helps companies better support just-in-time logistics and increases customer satisfaction and trust by demonstrating continuous visibility of remote assets.
- **Dispatch Optimization** – SkyBitz reduces capital expenses for asset purchases and leases, reduces fuel and staffing costs, and ensures optimal operating conditions and efficiency.
- **Remote Monitoring & Control** – SkyBitz helps reduce equipment costs, improves maintenance planning, limits cargo liabilities, and pre-empt operational failures.
- **Safety & Security** – SkyBitz provides constant monitoring of the asset location, provides enhanced security for high-value cargo and improves stolen asset recovery.

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HARDWARE SPECIFICATIONS

PHYSICAL

Dimensions (L x W x H): 12.45 in x 3.56 in x 1 in (316.2 mm x 90.4 mm x 25.4 mm)

Housing Material: LEXAN 943 Polycarbonate Plastic

Weight: 1.21 lb (550 g) with batteries (no mounting brackets)

ENVIRONMENTAL

Operating temperature: -40°C to 70°C

Storage: -55°C to 85°C (excluding batteries)

Vibration: Random vibration from 10 to 500 Hz per MIL-STD-810F Figure 514.5C-1
"U.S. Highway Truck Vibration Exposure"

Humidity: MIL-STD-810F, Method 5.4 for six full cycles as described in Figure 507.4-1

Shock: MIL-STD-810F, Method 516.5 Procedure I using an impact having a shock response spectrum equal to that labeled "Functional Test for Ground Equipment" in Figure 516.5-8 of MIL-STD-810F

Drop: MIL-STD-810F, Method 516.5, Procedure IV

Impact: ASTM D5628

Salt Fog: MIL-STD-810F, Method 509.4

Water Spray and Steam Cleaning: SAE J1455 Section 4.5

Dust and Sand Bombardment: MIL-STD-810F, Method 510.4

Solar Load and UV Exposure: MIL-STD-810F, Method 505.4 Procedure I, Cycle A1 and fifty-six 24-hour cycles per Procedure II

Dust/Water Ingress Protection: IP67

Power: 6 AA Lithium Iron Disulfide batteries 4.5 V, 6 Ampere-hours

RADIO PERFORMANCE

Frequency (MHz): 1575.42 MHz GLS Receive 1616.0 to 1626.5 MHz L Band Transmit/Receive

Transmit power EIRP: 2.74 W peak

INTERFACES

I/O Connector: 18 Pin Connector

Serial Port(s): RS485, RS232

Inputs/Outputs: 2 open/closed switch connections, 2 open/closed control lines

Smart Sensor Tracking (SST): Accelerometer

Remote Antenna (GTP1100 only): SMA-Female

CERTIFICATIONS

FCC Part 25, CE, Industry Canada RSS-170, Pb-Free, RoHS Compliant

REMOTE ANTENNA (GTP1100 ONLY)

Dimensions (L x W x H): 2.80 in x 2.80 in x 0.92 in (71.1 mm x 71.1 mm x 23.4 mm)

Housing Material: EXL 9330 or LEXAN 943 Polycarbonate Plastic

Weight: 0.69 lb (310 g)

Operating temperature: -40°C to 70°C

Storage: -55°C to 85°C

Dust/Water Ingress Protection: IP67

Coaxial cable: RG-223/U, 10 foot length, bottom egress, SMA-Male, VHB mount (Optional cable side exit is available)