



Key Features

- Configurable via Two-Way Satellite Communication
- Intrinsically Safe for HAZMAT and HAZLOC
- True Global Coverage
- Easy Installation & Verification in the Field
- Long Battery Life
- Supports Changing Batteries in HAZLOC
- Compact & Rugged Design

The Only Two-Way Global IECEx/ATEX/UL913 Solution for Asset Management.

The SkyBitz® Galaxy GTP4050 is a cutting edge global tracking and monitoring solution. The Galaxy GTP4050 is designed to deliver the most reliable, configurable, and accurate asset location and status information. This robust solution provides comprehensive coverage over the entire globe via two-way satellite communications. The SkyBitz Galaxy GTP4050 is Intrinsically Safe Certified, which means that our customers can use the device to track in hazardous locations (HAZLOC) or use with HAZMAT shipments. When combined with a dramatically smaller device footprint and multi-year battery life, the GTP4050 is perfect for tracking mobile assets anywhere in the world.

The SkyBitz Galaxy series solution delivers the actionable data required to optimize operations within oil and gas, chemical, transportation, intermodal, and other markets that rely on remote unpowered assets. It imparts a lower total cost of ownership through a longer service life, reduced capital expenditures, optimized asset utilization, elimination of lost assets, tracking of stolen assets, and improved customer service.

The Galaxy GTP4050 is the only two-way communication IECEx/ATEX Zone 0/UL913 certified product in the world. Two-way communication makes the Galaxy GTP4050 a very flexible product that is configurable to each user's needs, offering dynamic and enhanced reporting options, which provides a more complete picture of asset status, such as:

- Arrival and Departure Times
- SkyFence Adherence
- On-Demand Location Updates
- Precisely Defined Landmarks
- Lock Down & Panic Mode
- Border Crossing Notifications

Rugged Design. Easy To Maintain.

All SkyBitz Galaxy series products are built to last and can run several years without any other power source. Its ruggedized, low profile, weatherproof housing is designed to withstand harsh environments. Built-in LEDs provide instant installation verification, eliminating any guesswork.

The Intrinsic Safety Certification covers electronic hardware used around ignitable concentrations of flammable gases, vapors or liquids, making the Galaxy GTP4050 suitable for operations in HAZLOC. You can change the device's battery pack while still in a HAZLOC zone for significant time savings and easier maintenance. The Galaxy GTP4050 can be mounted on almost any type of asset in your operations including:

- Cargo Carrying Units (CCU)
- Baskets
- Tanks
- Frac tanks
- Tankers
- Flatbeds and Chassis
- Containers
- Construction equipment
- Dry van trailers

The Galaxy GTP4050 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.
- **Asset Optimization** – SkyBitz reduces capital expenses for asset purchases and leases, and ensures optimal operating conditions and efficiency.
- **Remote Monitoring & Control** – SkyBitz helps reduce equipment costs, improve maintenance planning, limit 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.



Actionable Data Through SkyBitz InSight

The Galaxy GTP4050 can be managed through the best-in-class SkyBitz InSight web application. Through InSight users can track, monitor and manage a broad range of assets. SkyBitz InSight uses exception-based reporting to deliver insightful information that allows management to make quick, data-based decisions to more effectively control their assets. Additionally, InSight Trends, built within SkyBitz InSight, provides a flexible and customizable visual dashboard that translates historical information into actionable information.

Intrinsic Safety Certifications

IECEX: Ex ia IIC T4 Ga



0359

ATEX:  II 1 G Ex ia IIC T4 Ga

USA and CANADA: Class I, Division 1, Groups A, B, C, & D, T4 Class 1, Zone 0, AEx ia IIC T4 Ga Class 1, Zone 0, Ex ia IIC T4 Ga -40°C < Ta < +70°C, IP64

UL 913: Class I, Division 1 Groups A-D



Intertek Control #5003564

Don't Require Intrinsic Safety?

The GTP2050 is the ideal asset management solution that offers all the same key features, hardware specifications and actionable data through SkyBitz as the GTP4050, with the exception that it is not IECEX/ATEX Zone 0/UL913 compliant.

Hardware Specifications

PHYSICAL

Dimensions (L x W x H):	13.29 in x 3.58 in x 1 in (338 mm x 90.9 mm x 25.4mm)
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" as described in Figure 507.4-1
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:	Field Replaceable Battery Pack

RADIO PERFORMANCE

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

INTERFACES

I/O Connector:	18 Pin Connector
Smart Sensor Tracking (SST):	Accelerometer

CERTIFICATIONS

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

GPS SPECIFICATIONS

Location Technology:	50 channel GPS with SBAS
Location Accuracy:	2.0 meter CEP (with SBAS)
Tracking Sensitivity:	-162dBm
Acquisition Sensitivity:	-148dBm
AGPS Capable	