

PRODUCT DATASHEET

SkyBitz® GLS400

The SkyBitz® GLS400:

- ✓ *Built Tougher to Withstand Harsh Environments*
- ✓ *Last Longer to Decrease Cost of Ownership*
- ✓ *Easier to Install, Maintain and Operate*
- ✓ *A Better Total Solution to Manage Assets*



GLS400

SkyBitz® GLS400: The Next Generation in Asset Management

The SkyBitz® GLS400, the next generation of SkyBitz's mobile asset management solutions, provides a lower overall cost of ownership through increased power efficiency, reliability, ruggedness and service life. Packaged in a low profile, weatherproof Lexan 943 polycarbonate housing, the GLS400 is built to withstand the harshest environments while protecting all components and external connections with redundant connection seals.

The GLS400 is powered by eight off-the-shelf "AA" lithium batteries, allowing for service in the shop or on the road without the hassles of battery packs or expert installation. Its unique electrical design increases power efficiency to extend service life beyond that of GPS-based tracking products. The design accommodates a suite of sensors – cargo, door, tank alert, tire pressure – that span complex and simple data requirements. The self-contained GLS400 is attached to the trailer roof using an easily attached mounting bracket, eliminating the need for special tools and cutting holes in the trailer roof or nose.

For Total Asset Visibility and Control

The GLS400 can be controlled and monitored through the best-in-class SkyBitz InSight software application for tracking, monitoring and managing a broad range of assets. SkyBitz InSight helps customers reduce capital expenditures, optimize trailer utilization, eliminate "lost" trailers, increase detention billing, track stolen trailers and improve customer service.

SkyBitz is the industry leader in remote asset management and employs a variety of intelligent asset tracking solutions and sensors to monitor and report the location and status of assets. The SkyBitz GLS400 delivers operational value, helping companies manage their businesses more efficiently, as asset management has direct bottom-line implications.

- **In-Transit Visibility** – SkyBitz helps companies better support just-in-time logistics and increases customer satisfaction and trust by demonstrating continuous control of vehicles.
- **Fleet 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, improve maintenance planning, limit liabilities for cargo spoilage and pre-empt operational failures.
- **Safety & Security** – Constant monitoring of asset location provides enhanced security for high-value cargo and improves stolen asset recovery.

1-877-275-9248 www.skybitz.com

SkyBitz®
Your business. In sight.

Hardware Specifications SkyBitz® GLS400

UNIT SPECIFICATIONS

Dimensions (L x W x H)	12.19 x 5.94 x 1.00 in (309.6 x 150.8 x 25.4 mm)
Housing Material	LEXAN 943 Polycarbonate Plastic
Weight Without Batteries	1.26 lbs (0.57 kg)
Operating Temperature	-40°C to 70°C
Storage	-55°C to 85°C (no batteries)
Vibration	Random vibration from 10 to 500 Hz per Mil-Std 810-F, Figure 514.5C-1 "U.S. Highway Truck Vibration Exposure".
Humidity	Mil-Std 810F, Method 5.4 for 6 full cycles as described in Figure 507.4-1.
Shock	Mil-Std 810-F, 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 D3029 Method G.
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
Altitude	Meets any environmental specification at any altitude at or below 12,000 feet pressure altitude, except that when operating in ambient atmospheric pressure of that above 8,000 feet pressure altitude the Mobile Terminal need only demonstrate operation up to 60°C.
Solar Load and UV Exposure	MIL-STD-810F, Method 505.4 Procedure I, Cycle A1 and fifty-six 24-hour cycles per Procedure II.
Electrostatic Discharge or ESD	The MT shall meet all performance requirements after external surfaces have been subjected to +15 kV. A minimum of at least five surfaces shall be subjected to the specified ESD.
Dust/Water Ingress Protection	IP67 under IEC 60529
Power	8 AA Lithium Iron Disulfide batteries 6 V, 6 Ampere-hours
RADIO PERFORMANCE	
Frequency (MHz)	1525 to 1559 MHz L Band Receive 1575.42 MHz GLS Receive 1626.5 to 1660.5 MHz L Band Transmit
Transmit Power EIRP	1 W
INTERFACES	
I/O Connector	18 Pin Connector
Serial Port	RS485
Inputs/Outputs	2 open/closed switch connections 2 open/closed control lines
Smart Sensor Tracking (SST)	Accelerometer
CERTIFICATIONS	FCC Part 25, Industry Canada RSS-170, Pb-Free, RoHS Compliant, HERO Certification, DTTS certified

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5,955,986, 6,094,162, 6,154,171,
6,169,514, 6,243,648, 6,480,788,
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