SkyBitz

Product Datasheet

Falcon GXT5002C

Key Features

- Efficient Solar Power
- Service Life Lasting the Longevity of the Asset (~10 years)
- Integrated Cargo Design with Built-in Cargo Sensors
- LTE Network Coverage
- Under 15-Minute Install with Option to Install on Full Load
- Military-Grade Durability
- Backup Battery Life (~3 months)

Meet the Future of Asset Management.

The SkyBitz® Falcon GXT5002C is a solar-powered GPS asset management solution that provides enhanced asset utilization and cargo visibility. Designed to provide a low cost of ownership and a service life lasting the longevity of the asset (~10 years), the GXT5002C combines an integrated cargo design with built-in cargo sensors, and can be installed in under 15-minutes.

Operating on an LTE cellular network, the Falcon GXT5002C is ideal for intermodal containers, offering seamless North American cross-border coverage. As an externally mounted asset tag, with a non-replaceable battery pack, the GXT5002C is recharged from solar panels, and can report up to ~3 months without direct exposure to sunlight.

Dynamic Reporting.

The Falcon GXT5002C provides relevant reporting, including on-road vs. on-rail profiling, and is configurable to each user's needs. This actionable information allows users to cut costs and avoid capital expenditures by better using existing assets. Data can be requested from the GXT5002C on-demand and be programmed over-the-air, allowing customers to update reporting frequency and behavior. Reporting options include:

- Arrival and Departure Times
- Idle Durations
- Mileage Driven
- Accurate Locations
- SkyFence Adherence and Security Alerts
- Loaded or Unloaded via Cargo Sensor
- Door Open or Closed via Door Sensor
- Tire Pressure Status via Tire Sensor

Quick to Install. Lasts the Long Haul.

The Falcon GXT5002C is IP67 rated, with military-grade durability, and can operate in rigorous environments that demand a reliable and high-performance device. With an untethered installation, the GXT5002C is self-contained, requiring no wires or special tools to install.

The design also includes a low profile and four built-in LED lights that provide:

- Quick install procedure via the SkyBitz App
- Instant installation verification, eliminating any guesswork
- Allows users to check battery status and send diagnostic messages while in the field

Additional Features of the Falcon GXT5002C:

- **In-Transit Visibility**
  SkyBitz helps companies better support just-in-time logistics and increases customer satisfaction and trust by demonstrating continuous control of assets.
- **Remote Monitoring & Control**
  SkyBitz helps reduce equipment costs, improve maintenance planning, limit liabilities for cargo spoilage and preempt operational failures.
- **Safety & Security**
  SkyBitz provides constant monitoring of asset location and status, providing enhanced security.

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Actionable Data Through SkyBitz InSight

The Falcon GXT5002C can be managed through the best-in-class SkyBitz InSight web application. Through SkyBitz 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. SkyBitz InSight features flexible visual dashboards to help you quickly analyze large data sets and view them in a more effective and intuitive way to maximize utilization and profits

Hardware Specifications

PHYSICAL	
Dimensions (L x W x H):	21.5 x 3.75 x 1.69 in (546.1 x 95.3 x 42.9 mm)
Housing Material:	Valox 357U
Weight:	2.88 lb (1.31 kg) with brackets 4.98 lb (2.26 kg) without brackets
ENVIRONMENTAL	
Operating Temperature:	-30°C to +70°C
Storage Temperature:	-55°C to +85°C
Vibration:	MIL-STD-810G, Fig.514.6C-1, Cat.4 BS EN 61373:2010 Class A, Body Mounted
Humidity:	MIL-STD-810G, Method 507.5, Fig.507.5-7
Shock:	MIL-STD-810G, Method 516.6-8
Drop:	MIL-STD-810G, Method 516.5, Procedure IV
Impact:	EN 60950-1:2006 clause 4.2.5
Salt Fog:	MIL-STD-810G, Method 509.5
Water Spray & Steam Cleaning:	SAE J1455 Section 4.5
Dust & Sand Bombardment:	MIL-STD-810G, Method 510.4
Solar Load & UV Exposure:	MIL-STD-810G, Method 505.4 Procedure I, Cycle A1 and fifty-six 24-hour cycles per Procedure II
Dust/Water Ingress Protection:	IP67 under IEC 60529
Power Details:	Lithium-Ion Re-chargeable Batteries
CELLULAR SPECIFICATIONS	
Bands:	B2,B4,B5,B17, 3G – B2, B5
Technologies:	4G LTE (Cat 1), 3G, HSPA+
INTERFACES	Visual indicators for external power, charging, diagnostics and installation
LEDs:	
CERTIFICATIONS	FCC: CFR 47 Part 15 Industry Canada PTCRB RoHS

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