



Key Features

- For 3G/4G Networks
- Power Efficient
- Easy Installation & Field Verification
- Extremely Durable & Compact Design
- GPS Technology
- Low Cost of Ownership
- Supports Sensors

Real-Time & Relevant Asset Management.

The SkyBitz® Falcon GXT3000/3100 is an affordable and customizable asset management solution that provides accurate, real-time data to enable business managers to make big decisions that impact the bottom line. It is ideal for operations that require frequent reporting on the status of mobile assets for increased visibility, security and utilization. The GXT3000/3100 operates on a 3G/4G cellular network and provides seamless North American cross-border coverage.

The Falcon GXT3000/3100 is a custom built cellular product designed to deliver a more complete picture of asset and cargo status. The Falcon GXT3000/3100 can provide frequent and relevant reporting that is configurable to each user's needs. Asset location and sensor data can be reported up to once every five minutes. Moreover, real-time data can be requested from the unit on-demand and it can also be programmed over-the-air, which allows customers to update reporting frequency and behavior.

The Falcon GXT3000/3100 delivers actionable information that allows users to identify areas to cut costs and avoid capital expenditures through better utilization of existing assets. It provides comprehensive asset visibility with real-time data needed to run operations more efficiently, such as:

- Mileage Driven and Speed
- Arrival and Departure Times
- Stop and Idle Times
- SkyFence Adherence and Security Alerts
- Hook and Un-hook Alerts
- Loaded or Unloaded via Cargo Sensor
- Door Open or Closed via Door Sensor

Power Efficient & Durable Design.

The Falcon GXT3000/3100 was designed to be power efficient; it operates on rechargeable batteries and can be tethered to a power source such as a tractor seven-way. Even when not connected to power, the GXT3000/3100 can report for up to 90-120 days, allowing customers to have continuous knowledge of the location of an asset. The GXT3000/3100 is IP67 rated and can operate in rigorous environments that demand a reliable and high performance device. Its design features built-in LED lights that provide instant installation verification, eliminating any guesswork and allows users to check battery status and send diagnostic messages while in the field. The GXT3100 features a remote antenna, which allows for stealth installation—leaving only a small antenna visible to the outside world. These features make it an ideal solution for all types of equipment and cargo including:

- Dry Van Trailers
- Flatbeds and Chassis
- Intermodal Containers
- Heavy Equipment

SkyBitz delivers real-time tracking and information management solutions that provide a clear line of sight to mobile assets anytime, anywhere.

The Falcon GXT3000/3100 provides:

- **In-Transit Visibility**
 SkyBitz helps companies better support just-in-time logistics and increases customer satisfaction and trust by demonstrating continuous control of assets.
- **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**
 SkyBitz provides constant monitoring of asset location and status, providing enhanced security.



Actionable Data Through SkyBitz InSight

The Falcon GXT3000/3100 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.

Remote Antenna Option (GXT3100 Only)



Dimensions (L x W x H):

9.75 x 3.5 x 2.125 in
 (24.8 x 8.9 x 5.4 cm)

Housing Material:

357U Valox Plastic

Weight: 1.5 lb (680.3 g)

Operating Temperature:

-40°C to 70°C

Storage: -55°C to 80°C

Dust/Water Ingress Protection: IP67

Antenna Interface:

Two, Color Coded SMA-Female, Cellular and GPS

Coaxial Cable: RG-174U, 6ft length cable bottom ingress, Two SMA-Male, VHB mount with retaining nut, Combination Cellular and GPS

Hardware Specifications

PHYSICAL

Dimensions (L x W x H): 9 x 3.5 x 2 in (228.6 mm x 88.9 mm x 50.8 mm)
 Housing Material: Valox 357U
 Weight: 1.25 lb (453.59 g)

ENVIRONMENTAL

Operating Temperature: -30°C to 70°C
 Storage Temperature: -55°C to 85°C
 Vibration: Random vibration from 10 to 500 Hz per MIL-STD-810F Figure 514.5C-1 "U.S. Highway Truck Vibration Exposure" MIL-STD-810F, Method 5.4 for six full cycles 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: EN 60950-1:2006 clause 4.2.5
 Salt Fog: MIL-STD-810F, Method 509.4
 Water Spray & Steam Cleaning: SAE J1455 Section 4.5
 Dust & Sand Bombardment: MIL-STD-810F, Method 510.4
 Solar Load & 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 under IEC 60529
 Power Details: External power source (e.g. 7-way connector) and an internal rechargeable battery system. The rechargeable battery pack operates over a temperature range of -30°C to +60°C. Battery survives temperatures up to +75°C. External power source interface supports DC Voltages 9.0 to 36 Volts. SAE J1455 and SAE J1113-11.

CELLULAR SPECIFICATIONS

Frequency Range: 850/900/1800/1900MHz
 Protocols: 850MHz/1900MHz GSM/GPRS/EDGE
 850MHz/1900MHz UMTS/HSDPA

INTERFACES

I/O Connector: 26 Pin D-Sub Connector
 Serial Ports: RS485, RS232
 Smart Sensor Tracking (SST): Accelerometer and speed
 Input/Outputs: 2 open / closed switch connections; 2 open / closed control lines; 2 analog inputs
 LEDs: Visual indicators for external power, charging, diagnostics and installation