

ORCA Industrial GPS Asset Tracker

LoRaWAN® connected GPS Tracker for Industrial Asset Management

TEKTELIC ORCA is an ideal solution for geolocalizing your assets in the field. This device provides GPS enabled near real-time satellite location tracking with LoRaWAN®.

- Shipping containers Fleet Vehicles
- **Pallets**
- Industrial Equipment
- Railcars
- Preventative Maintenance
- Industrial Transport · Security & Theft Mitigation



Technical and Functional System Specifications

General System Parameters

Operational Temperature	-40°C to +70°C
Protection Rating	IP67
Size	195 x 101 x 50 mm
Battery	2 D-Cell Batteries

LoRa Parameters

RF Power	22 dBm
RF Sensitivity	-137dBm (SF12, 125kHz)
ISM Band	All Global ISM Bands
Antenna	Internal
LoRa Device Class	Class A and C

Regulatory Compliance

Safety	IEC 60950-1 (CE)	
Regulatory	ETSI EN 300 220	
	ETSI EN 301-489-1/-3	
	FCC 15.247	FCC 15.209
	RSS-247	RSS-GEN

Key Features

- 5 year Battery Life*
- Precise GPS
- Data Transmission via LoRaWAN®
- BLE (Optional)
- All Global ISM bands
- Rugged IP67 Design
- Accelerometer
- Internal Antenna

*With the following operating conditions: 73 uplinks per day consisting of 1 battery report, 24 periodic GNSS location reports, 24 accelerometer event-based GNSS location reports, plus 24 periodic BLE scan reports.

195 mm



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TEKTELIC Communications is a premier supplier of best-in-class LoRaWAN® IoT Gateways, Sensors, and Custom Applications. These elements combined provide a powerful end-to-end solution that can be easily, quickly, and cost effectively deployed to address the most demanding IoT challenges.