

Industrial GPS Asset Tracker

LoRaWAN® connected GPS Tracker for Industrial Asset Management

The **Industrial GPS Asset Tracker** is an ideal solution for geolocating your assets in the field. This device provides GPS enabled near real-time satellite location tracking with LoRaWAN®. The rugged IP67 design allows for operation in diverse deployment environments, with an operable temperature range of -40°C to +85°C and an optional BLE integration. The device contains 2x D Cell batteries for optimal battery life of up to 8-10 years. The unit is equipped with an accelerometer to accommodate event-based start-up, minimizing unnecessary battery usage.

The Industrial GPS Asset Tracker is seamlessly integrated with TEKTELIC's End-to-End IoT solution.

Technical and Functional System Specifications

General System Parameters

Operational Temperature	-40°C to +85°C
Protection Rating	IP67
Size	195 x 101 x 50 mm
Battery	1x or 2x D-Cell

LoRa Parameters

RF Power	23 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

GNSS Features

Position Accuracy	2.5m
TTFF (Time to First Fix)	Cold Start - 26 Seconds
	Hot Start - 1 Second
Sensitivity	-164 dBm tracking and navigation
	-148 dBm cold start
	-157 dBm hot start



Key Features

- » 8-10 Year Battery Life
- » Precise GPS
- » Data Transmission via LoRaWAN®
- » BLE (Optional)
- » All Global ISM bands
- » Rugged IP67 Design
- » Accelerometer
- » Internal Antenna

