

Enterprise Ex Asset Tracker

LoRaWAN® and BLE Device for Asset Tracking

The Enterprise Ex Asset Tracker is an ideal solution for locating, tracking and managing assets in difficult RF environments such as manufacturing, shipping and rail yards and equipment storage facilities. The device combines the long range, low power benefits of LoRaWAN® with the universal availability and reliability of Bluetooth Low Energy (BLE). Rated IP67 and ATEX/Zone 2 certified, the sensor is designed for the most demanding installations where combustible gasses, vapours or dusts may be present. The unit is equipped with an accelerometer to accommodate event-based start-up, minimizing unnecessary battery usage. The Enterprise Ex Asset tracker is seamlessly integrated with TEKTELIC's End-to-End IoT solution.



Technical and Functional System Specifications

General System Parameters

Operational Temperature	-20°C to +50°C
Ingress Protection	IP67
Size	67 x 41 x 32 mm
Battery	C-Cell

Regulatory Compliance

Safety	EN 62368-1-2014 (CE)	
ATEX Specification	ATEX Marking	
EN 60079-0-2013	<Ex> II 2G Ex ia IIC T4 Gb	
EN 60079-11-2012	<Ex> II 2D Ex ia IIIC T125°C Db IP67	
Regulatory	ETSI EN 300 220	
	ETSI EN 301-489-1/-3	

Specifications are in progress and subject to change*



Key Features

- » ATEX/Zone II Certified
- » 15 Year Battery Life (2x Transmissions per Day)
- » Accelerometer
- » Data Transmission via LoRaWAN® and BLE
- » Internal Antennas
- » All Global ISM Bands
- » Small Form Factor for Diverse Deployments
- » Easily Integrated into LoRaWAN® Networks
- » Bluetooth Low Energy Functionality

LoRa Parameters

RF Power	15 dBm
RF Sensitivity	up to -137dBm (SF12, 125kHz)
ISM Band	All Global ISM Bands
Antenna	Internal
LoRa Device Class	Class A