

PELICAN Ex Asset Tracker

LoRaWAN® and BLE Device for Outdoor Asset Tracking

TEKTELIC's PELICAN Ex is an ideal outdoor rated ATEX certified solution for locating, tracking, and managing assets in difficult RF environments where an explosive atmosphere may be present. The PELICAN Ex can be deployed as a tracker or a BLE Beacon for your asset tracking solutions.

- Industrial/ Oil & Gas Sites
- Mining
- Hazardous Worker Safety
- Processing Plants



Technical and Functional System Specifications

General System Parameters

Operational Temperature	-20°C to +50°C
Ingress Protection	IP67
Size	68 x 42 x 33 mm (excluding mounting features)
Battery	Lithium Thionyl Chloride C-cell

Regulatory Compliance

Safety	EN/IEC 62368-1 (CE)
Radio	ETSI EN 300 220 ETSI EN 301-489-1/-3
ATEX	EN IEC 60079-0 EN 60079-11 <Ex> II 2G Ex ia IIC T4 Gb <Ex> II 2D Ex ia IIIC T135°C Db

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

Key Features

- » Certified for ATEX Zone 1/21 locations
- » 10 Year Battery Life - Tracker Mode
- » 3 Year Battery Life - Beacon Mode
- » Accelerometer
- » Data Transmission via LoRaWAN® and BLE
- » Internal Antennas
- » All Global ISM Bands
- » Small Form Factor for Diverse Deployments
- » Bluetooth Low Energy Functionality
- » Easily Integrated into LoRaWAN® Networks

BLE Beacon Parameters

Tx Power	Up to 0 dBm
Battery life	3 Year
BLE Protocols	iBeacon, Eddystone UID, Eddystone TLM