

PELICAN Ex Asset Tracker

LoRaWAN® and BLE Device for Outdoor Asset Tracking

TEKTELIC PELICAN Ex is an ideal solution for locating, tracking and managing assets in difficult RF environments requiring ATEX/ Zone II certification where combustible gases/vapours or dusts may be present. The PELICAN Ex can be deployed as both a tracker, or a BLE Beacon for your asset tracking solution.

- 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	67 x 41 x 32 mm
Battery	C-Cell

Regulatory Compliance

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

Specifications are in progress and subject to change*

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

- » ATEX/Zone II Certified
- » 5 Year Battery Life - Tracker Mode
- » 18 Month 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	18 Month
BLE Protocols	iBeacon, Eddystone UID, Eddystone TLM