

# **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 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
- Hazardous Worker Safety Processing Plants

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## 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>
	<ex>    2D Ex ia IIIC T135° Db IP67</ex>

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<sup>™</sup> Networks

#### **BLE Beacon Parameters**

Tx Power	Up to 0 dBm
Battery life	18 Month
BLE Protocols	iBeacon, Eddystone UID, Eddystone TLM

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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.

For more information please visit www.tektelic.com

