

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 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.



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
- » 6 Year Battery Life
- » 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	1.5 Years
BLE Protocols	iBeacon, Eddystone UID, Eddystone TLM