

PELICAN Asset Tracker

Rugged LoRaWAN® and BLE Device for Asset Tracking

PELICAN is an ideal device for locating, tracking and managing assets in difficult RF environments. This device combines the long range, low power benefits of LoRaWAN® with the universal availability and reliability of Bluetooth Low Energy (BLE). The PELICAN can be deployed as both a tracker, or a BLE Beacon for your asset tracking solution.

- Construction Sites
- Warehouses
- Manufacturing Facilities
- Multi-Building Campuses



Technical and Functional System Specifications

General System Parameters

Operational Temperature	-40°C to +70°C
Ingress Protection	IP67
Size	67 x 41 x 32 mm
Battery	C-Cell

Regulatory Compliance

Safety	IEC 60950-1 (CE)
Regulatory	ETSI EN 300 220
	ETSI EN 301-489-1/-3
	FCC 15.247 FCC 15.209
	RSS-247 RSS-GEN

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

- » 15 Year Battery Life - Tracker Mode
- » 4.5 Year Battery Life - Beacon Mode
- » Accelerometer
- » Bluetooth Low Energy Functionality
- » Data Transmission via LoRaWAN® and BLE
- » All Global ISM Bands
- » Small Form Factor for Diverse Deployments
- » Easily Integrated into LoRaWAN® Networks
- » Internal Antenna

BLE Beacon Parameters

Tx Power	Up to 0 dBm
Battery life	4.5 Year
BLE Protocols	iBeacon, Eddystone UID, Eddystone TLM

Specifications subject to change without notice.