

SPARROW Enterprise Asset Tracker

LoRaWAN® and BLE Device for Indoor Asset Tracking

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

- Hospitals & Medical Facilities
- Retail
- Manufacturing Facilities & Warehouses
- Multi-Building Campuses
- Schools
- Office Buildings



Technical and Functional System Specifications

General System Parameters

| | |
|-------------------------|-------------------|
| Operational Temperature | 0°C to +60°C |
| Ingress Protection | IP30 |
| Size | 65 x 24.5 x 26 mm |
| Battery | AA LTC |

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 |

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 |

Specifications subject to change without notice.

Key Features

- » 5 Year Battery Life - Tracker Mode
- » 16 Month 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