

# EYE BEACON

BLUETOOTH® ID BEACON - BTSID1



WATER-RESISTANT



LONG RANGE



10 YEARS BATTERY LIFE



## LONG LIFETIME

600 mAh capacity, 10+ years battery life

## WATER-RESISTANT

IP67 protection casing with handy two mounting points

## MOBILE APP

Easy to use mobile app for configuration, data scanning and updating

## RANGE

Up to 80 metres connectivity range via Bluetooth® wireless technology

Wireless solutions open up new horizons for your business and help to keep an eye on your assets. Discover our certified Bluetooth® Low Energy ID beacon model from Teltonika with robust waterproof casing and a long-lifetime battery. The model designed for a low-cost fast and easy configuration and integration to save precious time, resources, and ensure accountability.

Perfect for traceability use cases, delivery tracking, monitoring of various movable objects in logistics (trailers, containers), agriculture (tractor attachments), and constructions (tools and inventory). Also, it suitable for indoor tracking solutions for items tracking in warehouses, hospitals, transport hubs and other types of industrial areas. EYE beacon supports iBeacon and Eddystone protocols. The device is fully compatible with the Teltonika firmware platform which provides extended functionality. Configure, scan, and update anytime anywhere with a dedicated Teltonika mobile app.



## Functionalities

Beacon ID, LED, Magnet detection\*, Hibernate

\* Only new revision hardware

## Dimensions and weight

|            |                         |
|------------|-------------------------|
| Dimensions | 56,6 mm x 38 mm x 13 mm |
| Weight     | 18 g                    |

## Battery and power

|  |   |
|--|---|
| Model                                      | CR2450  |
| Type                                       | Lithium, Manganese Dioxide (Li/MnO <sub>2</sub> ) |
| Total Capacity                             | 600 mAh   |
| Replaceable                                | No  |
| Battery life (Tx=2 dBm;<br>interval: 3 s)  | 4+ years  |
| Battery life (Tx=2 dBm;<br>interval: 5 s)  | 8+ years (Default)                                |
| Battery life (Tx=2 dBm;<br>interval: 10 s) | 10+ years   |

## Electronic

|                               |                               |
|-------------------------------|-------------------------------|
| Microcontroller               | ST Microelectronics BlueNRG-2 |
| Quartz Crystals               | 32.768 kHz, 16 MHz            |
| Bluetooth operating frequency | 2.402 - 2.480 GHz             |
| Bluetooth antenna gain (peak) | 1.2dBi                        |

## Connectivity

|                                     |  |
|-------------------------------------|--|
| Bluetooth®                          | Bluetooth® 4.2 compliant, Bluetooth® 5.2 certified |
| Range                               | 80 m   |
| Available transmission power levels | Up to 8 dBm  |
| Sensitivity                         | -88 dBm  |

## Casing

|               |                                      |
|---------------|--------------------------------------|
| Protection    | IP67                                 |
| Mounting      | Two holes to screw/leash/strip, tape |
| Customization | Custom logo upon request*            |

\* Special conditions

**Environmental Requirements**

|                           |                               |
|---------------------------|-------------------------------|
| Humidity (non-condensing) | From 0% to 100%               |
| Operational temperature   | -20°C / +60°C (-4°F / +140°F) |

**Protocols compatibility**

|           |      |
|-----------|------|
| iBeacon   | Yes  |
| Eddystone | Yes  |
| Teltonika | Yes* |

\*Battery level and magnetic field detection status

**Certificates**

|              |     |
|--------------|-----|
| CE RED (EU)  | Yes |
| FCC (USA)    | Yes |
| UKCA (UK)    | Yes |
| RoHS         | Yes |
| E-mark       | Yes |
| EAC          | Yes |
| ANATEL       | Yes |
| REACH (EU)   | Yes |
| SIRIM QAS    | Yes |
| SDPPI POSTEL | Yes |
| TELEC        | Yes |
| IP rating    | Yes |