

# RADBEACON E4

## CUSTOMER LOCATION PLATFORM

### Ruggedized, weatherproof beacon technology.

The RadBeacon E4 is a fully stand-alone Bluetooth 5 proximity beacon that supports iBeacon™, AltBeacon™, and Eddystone™ technology. It replaces the X4 in the Radius Networks product line. The RadBeacon E4 is a rugged, weatherproof, and temperature-resistant proximity beacon powered by four AA batteries. It can be installed in any location, regardless of available power and provides proximity advertisements for mobile applications that are compatible with iBeacon, AltBeacon, and Eddystone standards, including the Physical Web™.



#### HARDWARE

**Size:** 72 x 72 x 23mm

**Weight:** 65g

**Colors:** White

**Form Factor:** Waterproof IP65

**Electrical Interface:** Quad AA-battery clips

**Operating Temperature:** -40°C to 60°C (-40°F to 140°F)

**Mounting:** High-strength, durable adhesive

#### SETTINGS

**Configurable Advertisements:**

iBeacon

AltBeacon (Beacon ID | Reference RSSI)

Eddystone-UID

Eddystone-URL (Physical Web)

**Advertisement Rate:** 1Hz - 10Hz

**Transmit Power:** +4dBm to -20dBm

#### BATTERY LIFE

**Advertising Rate**

High - 100ms

Medium - 200ms

Low - 1,000ms

**Battery Life**

18 months

36 months

184 months

#### BLUETOOTH RADIOS

**Version:** Bluetooth 5

**Frequency:** 2.402 GHz to 2480 GHz

**Transmit Power:** +4dBm to -30dBm

**Typical Line-of-Sight Range:** 5m to 50m

**Antenna:** Omnidirectional PCB antenna

#### CERTIFICATIONS

**Apple iBeacon™:** iBeacon Licensed Product

**Eddystone™:** Eddystone Licensed Product

**Bluetooth:** Bluetooth controller subsystem

**FCC:** FCC Part 15

**CE:** EN300328, EN60950, EN62479

**IC:** Industry Canada

## FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator your body: Use only the supplied antenna.

**IC Caution:**

RSS-Gen Issue 5 March 2015" & "CNR-Gen 5e March 2015:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour rester en conformité avec les lignes directrices pour l'exposition aux radiations de la ICSED, le dispositif doit être installé et opérationnel à une distance minimale de 20cm entre le radiateur et votre corps: uniquement avec l'antenne fournie.