



The CoreBlu line is a series of advanced Bluetooth Low Energy 5.x beacon devices using multi standard beacon technology.

The CoreBlu-E2 is specially conceived for advanced business solutions using location based and navigation based applications. It features an ultra-low power consumption and long battery life. The CoreBlu-E2 can be easily mounted on various surfaces and uses commercially available replaceable batteries.

The CoreBlu-E2 comes with a downloadable SDK with an extensive library for easy integration into a wide range of location based and navigation based applications. It also includes a wide range tools facilitating optimal setup, installation and health-checks.



Bluetooth Radio

Type:

Bluetooth Low energy 5.0

Advertisement:

iBeacon, Eddystone (UID & TLM) & cBeacon (Averos Proprietary)

Advertisement Interval:

100ms to 10.2seconds

Frequency:

2.4GHz

Transmit Power:

+4dBm to -20 dBm

Antenna Type:

PCB antenna, Omni Directional

Sensors and Interfaces

Motion sensing	3 Axis Accelerometer
Temperature	Internal Temperature Sensor
LED	1 Red LED

Battery

Battery type:

ER14505 x3 , 7200mAh, Replaceable

Battery Life:

(Advertisement Rate)	(Battery Life ¹)
High - 200mSec	7 years, 1 months
Medium - 500mSec	10 years, 11 months
Low - 1000mSec	13 years, 4 months

1. Battery Life is calculated at 25 degrees Centigrade @ 0 dBm transmit power. At higher temperatures it will be lower.

Enclosure

Material:

ABS

Dimensions:

111 mm (L) x 62 mm (W) x 33 mm (H) (with flanges)

Weight:

140g

Color:

Light Gray

Accessories:

Double sided tape, Mounting Screws

Protection Class:

IP66

Operating Environment

Temperature Range	-30°C to 75°C
Operating Humidity	90%

Certifications

CE (Pending)





CoreBlu Configuration App

With the CoreBlu Beacon Manager App you can scan for nearby configurable CoreBlu beacons, display their battery status, view their settings and make modifications to those settings. Configuration of beacons are password protected with a four (4) digit user settable PIN.



Application Areas

- Indoor & Outdoor localization
- Indoor & Outdoor navigation
- Location based services
- Assets status and tracking

Caution

- Risk of Explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions

Recycling

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment

Contact us

 Email us:
sales@averos.com

 Website:
www.averos.com

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