CoreBlu X3
Preliminary Specifications

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

The CoreBlu-X3 is specially conceived for advanced business solutions using location based and indoor navigation based applications. It features an ultra-low power consumption and long battery life. The CoreBlu-X3 can be easily mounted on various surfaces and uses commercially available replaceable large capacity battery.

The CoreBlu-X3 comes with a downloadable SDK with an extensive library for easy integration into a wide range of location based and indoor 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
Button	1 user interact-able button
LED	1 Red LED

Battery

Battery type:
ER14505 x 2, 4800mAh, Replaceable

Battery Life:

(Advertisement Rate)	(Battery Life[1])
High - 200mSec	5 years 5 months
Medium - 500mSec	9 years 0 months
Low - 1000mSec	11 years 7 months

1. Battery Life is calculated at 25 degrees Centigrade and 0 dbm transmit power.

Enclosure

Material:
ABS

Dimensions:
70.95 mm (Dia) x 26.20 mm (H)

Weight:
72g

Color:
White

Accessories:
Double sided tape, Mounting Screw

Protection Class:
IP64

Operating Environment

Temperature Range	-20°C to 70°C
Operating Humidity	90%

Certifications

CE (Pending), FCC (Pending)

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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.

As an added safety feature, the beacons can only be configured with in a period of 15 minutes after installing the batteries or can be manually triggered into configuration mode by pressing the reset button on the Tag. However, this time duration can be increased through the settings to up to 3 weeks or forever.

Application Areas

- Indoor localization
- Indoor navigation
- Location based services
- Asset & logistics tracking

⚠ Caution

- *Risk of Explosion if battery is replaced by an incorrect type.*
- *Dispose of used batteries according to the instructions*
- *Glue should be used to close the enclosure if opened by user*

♻ 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

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