

CoreBlu X2 Pro

Device Specifications



The CoreBlu line is a series of advanced Bluetooth Low Energy 4.x beacon devices using multi standard beacon technology.

The CoreBlu-X2-Pro 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-X2-Pro can be easily mounted on various surfaces and uses commercially available replaceable large capacity battery.

The CoreBlu-X2-Pro 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 of tools facilitating optimal setup, installation and health-checks.



Bluetooth Radio

Type:

Bluetooth Low energy 4.2

Advertisement:

iBeacon, Eddystone, cBeacon (Averos Proprietary)

Advertisement Interval:

100ms to 10.2seconds

Frequency:

2.4GHz

Transmit Power:

+4dBm to -30 dBm

Antenna Type:

PCB antenna, Omni Directional

Battery

Battery type:

ER14505 x 2, 4800mAh, Replaceable

Battery Life:

(Advertisement Rate)	(Battery Life ¹)
High - 100mSec	4 years, 1 month
Medium - 200mSec	6 years, 8 months
Low - 1000mSec	13 years, 10 months

1. Battery Life is calculated at 25 degrees Centigrade. At higher temperatures it will be lower.

Enclosure

Material:

ABS

Dimensions:

70 mm (Dia) x 25 mm (H)

Weight:

50g

Color:

White

Accessories:

Double sided tape, Mounting Screw

Protection Class:

IP54

Operating Environment

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

Certifications

CE





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 can also be password protected with a four (4) digit PIN.

As an added safety feature, the beacons can only be configured within 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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