

CoreBlu X1

Device Specification



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

The CoreBlu-X1 is specially conceived for advanced business solutions using location based and indoor navigation based applications. It features an ultra-low power consumption, long battery life. The CoreBlu-X1 can be easily mounted on various surfaces and uses commercially available replaceable large capacity battery.

The CoreBlu-X1 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 4.0

Advertisement:

iBeacon

Advertisement Interval:

100ms to 10.2seconds

Frequency:

2.4GHz

Transmit Power:

+4dBm to -30 dBm

Antenna Type:

PCB antenna, Omni Directional

Battery

Battery type:

CR2477, 1000mAh, Replaceable

Battery Life:

| Advertisement Rate | Battery Life |
|--------------------|-------------------|
| High - 100mSec | 4 months |
| Medium - 200mSec | 9 months |
| Low - 1000mSec | 3 years, 1 months |

Enclosure

Material:

ABS

Dimensions:

65 mm (L) 35mm (W) x 11.3 mm (H)

Weight:

26g

Color:

White

Accessories:

Band

Protection Class:

IP65

Operating Environment

| | |
|-----------------------|-------------|
| Operating Temperature | 0°C to 60°C |
| Operating Humidity | 90% |



CoreBlu Configuration App

With the CoreBlu Config-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. However, this time duration can be increased through the settings to up to 3 days or forever

Application Areas

- Indoor localization
- Indoor navigation
- Location based services
- Track & find
- Virtual leash
- Asset & logistics tracking
- Luggage tracking
- Data analytics



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