

RB-300 BLE Beacon

Cognosos real time location system and Bluetooth (BLE) beacons provide a cost-effective solution to gain asset visibility. Easily installed BLE beacons allow facilities to create digital maps and experience better tracking reliability and accuracy than with legacy technologies.

Features and Benefits

- Create digital maps and geo-zones of the facility quickly + easily
- Gain accurate and reliable visibility to inventory with real-time room-level visibility to tagged assets
- Integrate seamlessly with Cognosos RadioTrax[®] application services and Gozio Health products
- Change batteries less often with multi-year battery life
- Program beacon rates to increase or decrease frequency of transmission
- Get a cost-effective + scalable platform with bulk packaging and easy installation

The Cognosos RB-300 BLE Beacon is a battery powered device that communicates with the RT-300 Tag to transfer data to the RadioCloud network. With its modular design and smart beacon software, the RB-300 provides an economical solution to a wide variety of asset tracking problems for healthcare, retail and manufacturing.

The RB 300 is compatible with Cognosos' range of web and mobile applications to manage devices, location assets and provide intelligence that improves utilization and workflow. The RB-300 is also compatible with Gozio Health products.

RB-300 BLE beacons are installed in ceilings, parking decks and similar indoor structures. Location accuracy of 3 meters or better is achievable in most structures depending on the number and location of beacons.

Programmable beacon rates allow facilities to transfer data more or less frequently (from once every 30 seconds to 10 times per second) depending on need. This also helps to increase battery life for facilities that do not need data transmission as often.

Beacons include a battery status so you can determine when the battery must be replaced; two AA batteries are easily accessed through the sliding door on the back of the beacon.



Cognosos RB-300 BLE Beacon Specifications

Operation	
Operating Frequency	2400-2482 MHz
Output Power	+4 dBm
Antennas	Internal
Modulation	GFSK
Battery Life	>= 2 years @25C
Sensors	Battery level
Messages	BLE Beacons
Regulatory	FCC/ISED
Enclosure	
Dimensions	3.2 x 2.2 inches
Weight	1 oz (2 oz with batteries)
Material	ABS
Mounting options	Tee rail mount, Wall Mount
Environmental	
Operating Temperature	0° C to +60° C
Storage Temperature	-40 C to +85° C
Operating Humidity	0 to 100%, non-condensing
Moisture and Dust Ingress	Dust protected; splashproof
Power	
Battery	2 AA batteries, customer replaceable
Battery Replacement	Sliding door

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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

WARNING: changes not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

WARNING: a 20cm separation distance must be maintained between this device and the user.

This device complies with Industry Canada license-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. 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.



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