Conneq™

The Industrial BLE Beacon

Conneq™ tags are **tough**, **long-lasting**, **small form factor** Bluetooth Low Energy (BLE) beacons designed for industrial, real-time asset tracking applications. Our tags are based on **global Bluetooth standards**, are configurable for **distance, repeat rate**, and multiple ID including **GS1 Identifiers,** with a host of project-specific RFID inlay and exterior labelling options to meet customer requirements.

A typical application of Conneq™ tags is in the tracking of high value assets within buildings and on vehicles, such as equipment in hospitals and tools transported in vans.

Compared to **Active RFID, Wi-Fi** and **RTLS,** BLE offers significant cost and speed of delivery advantages for zone based tracking.

Solutions can be delivered with less infrastructure, at lower overall solution cost, based on non-proprietary technology, and using existing Bluetooth capable devices as reading zones.

FEATURES	APPLICATIONS
• **Standards based** - non-proprietary global Bluetooth 4.0 standard based Beacon, with GS1 option	Building / Indoor
• **Tough** industrial tag with rugged tag option for harsh applications	
• **Long-Lasting** reduced maintenance and Total Cost of Ownership with long battery life	On sites / Outdoor
• **High-Concurrency** designed to minimize conflicts for high volume reads in a single zone	
• **Configurable** Over-The-Air configuration for power (distance), repetition rate and ID	On Vehicle
• **Multiple ID standards support** Supports GS1 and major Beacon standards	
• **Delivery Options** Additional NFC, Passive RFID and EPC™ inlay/secondary tag options and custom labelling options	with Mobile

Technical Specifications

SPECIFICATIONS			OPTIONS
Physical			(settings)
	Conneq™		Power
Size	52mm (l) x 32mm (w) x 15mm (d)		Repetition Rate
Weight	18g		Transmitted ID
IP Rating	IP54		(internal)
Configuration			EPC™ Passive RFID Tag
RF Standard	Bluetooth Low Energy		Passive RFID Tag
Power	+8dBm to -15dBm		EPC™ Passive RFID Inlay
Repetition Rates	1 to 254 secs interval		Passive RFID Inlay
Identification support	Custom, GS1 Identifiers and common Beacon schemes		(external) NFC Label Barcode Label(s) including GS1 1D and 2D Barcodes
Performance			
	Shortest	*Longest*	
Range (standard Bluetooth reader)	<1m	100m	**Reading**
Range (tuned reader)		Longer	Read by any Bluetooth 4.0 capable device with enabling apps.
Battery Life	12 months @Max power and 1 sec rep rate continuous	120 months+ @Min power and 255 sec rep rate continuous	

FOR MORE INFORMATION: