

SensorMesh™

Standard Bluetooth® mesh-based locating and sensing



SensorMesh™ Gateway Node

What does it do?

Relays standard beacon advertising via standard Bluetooth® mesh to a gateway node where it's output to a USB COM port. An attached device can send the data to BeaconServer™, BeaconRTLS™ or any HTTP/MQTT server.

How is it unique?

It's the only solution that relays **standard Bluetooth advertising** via Bluetooth® mesh allowing any Bluetooth devices to be used for sensing. It's a stand-alone hardware solution that **isn't reliant on a management server or SAAS subscription model**.

Who is it for?

Uses in smart buildings/cities, manufacturing, healthcare, retail, stadiums, logistics, smart metering, lone working, worker safety and security. Particularly suitable when WiFi/Ethernet networks are non-existent, not accessible or overloaded and hence Bluetooth gateways can't be used.

SensorMesh™ Relay Nodes

The mesh nodes look like a USB dongle. The USB is only used for power. Nodes can be powered by equipment or vehicles having a USB socket or separately using a USB mains adapter (not supplied). In temporary scenarios, such as exhibitions, they can be powered using a USB power bank.



USB Relay Node

It's also possible to use beacons with large batteries as relay nodes.

Benefits

- Non proprietary mesh, proven, no lockin, no mesh license fee.
- Works across an area without site-wide WiFi or Ethernet.
- Works with any generic beacons allowing you to choose beacons suitable for your particular situation.
- No sharing of a platform. We supply hardware for your sole use.
- Predictable cost. One-off license cost rather than a variable subscription fee.
- Financially scalable. Running costs do not depend on the number things tracked or how often they report their position.
- You control your data. Your data doesn't go through, nor is held by, a third party.

Features

- **Security** - Messages are double encrypted for maximum security. Supports SSL.
- **Redundancy** – Multiple paths ensure resilience.
- **Sensing** - When using with sensor beacons, detects quantities such as movement (accelerometer), temperature, humidity, air pressure, light, open/closed, close proximity and human proximity (PIR).

Learn More

Contact us via our help desk to set up a free initial chat to determine if a SensorMesh™ based solution might benefit your organisation.

<http://bzone.click/support>

Specialists in Bluetooth® Beacon Solutions
www.beaconzone.co.uk

