Product datasheet

Wireless EnOcean repeater

Transmit signals over a longer distance or around obstructions.

Our wireless smart repeater is a cost-effective way to increase the range of your smart devices, allowing them to transmit data over a larger distance or where obstructions occur. Depending on the configuration and the building, repeaters can extend the EnOcean sensors' range from 30m up to 90m.
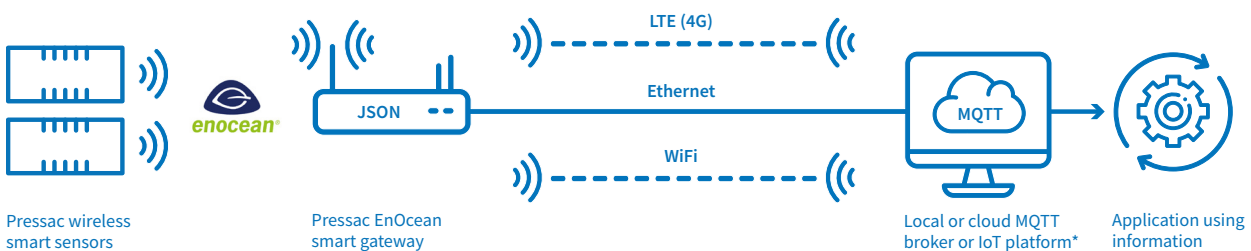
Features

- Extends EnOcean range up to 90m, depending on the configuration of a building

- Select which sensors to repeat, reducing interference and ensuring clear radio signals

- Fitted with external antenna

- Powered via USB

- Repeater: Function as a level 1 or a level and 2

- Radio link test mode
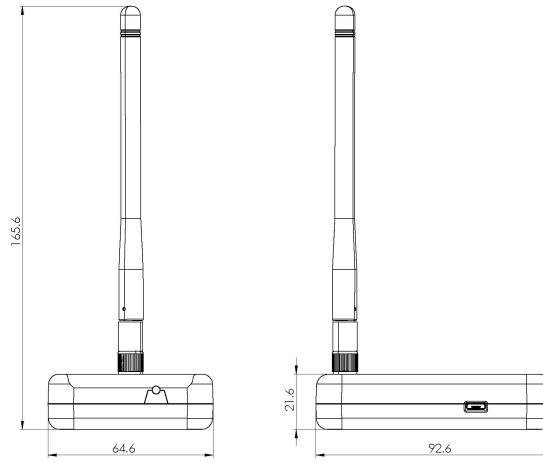
Integrating sensor data

Our smart gateway receives near real-time data from all sensors within range, converts the raw data into an easy-to-use JSON format, then publishes it using MQTT protocol. Data can be sent - via Ethernet, LTE (4G) or WiFi – to any local or cloud MQTT broker; securely to IBM Watson IoT, Microsoft Azure IoT Hub or AWS IoT Core; directly into Google Sheets; or to a Node-RED application.

Pressac wireless smart sensors

Pressac EnOcean smart gateway

LTE (4G)

Ethernet

WiFi

JSON

MQTT

Local or cloud MQTT broker or IoT platform*

Application using information

*Ready-made connections with:

aws | Microsoft Azure | IBM **Watson IoT** | Google Sheets | Node-RED

Technology that makes buildings talk

Pressac

Technical specification

Power specification	**Power supply:** USB 5v DC powered. USB adaptor provided **Connecting power:** RJ45 / DC Jack
Wireless specification	**Protocol:** EnOcean **Radio frequency:** • 868 MHz for Europe and other countries adopting RED • 902 MHz for USA (FCC specification) and Canada (IC specification) **Security:** repeats both secure and un-secure telegrams **Interoperability:** EnOcean certification 3.0
Enclosure specification	**Material:** ABS plastic **IP rating:** IP3X **Dimensions:** 93 x 65 x 28 mm (approx) **Antenna connector:** RP SMA
Installation	**Fixing:** adhesive pads or screws provided **Operating temperature:** 0°C to 50°C **Storage temperature:** -20°C to +55°C **Environment:** indoor
Compliance	CE approved, RoHS compliant, FCC compliant
Part number	REPEATER_[868_UK]-[902_US]_[S]-[B]