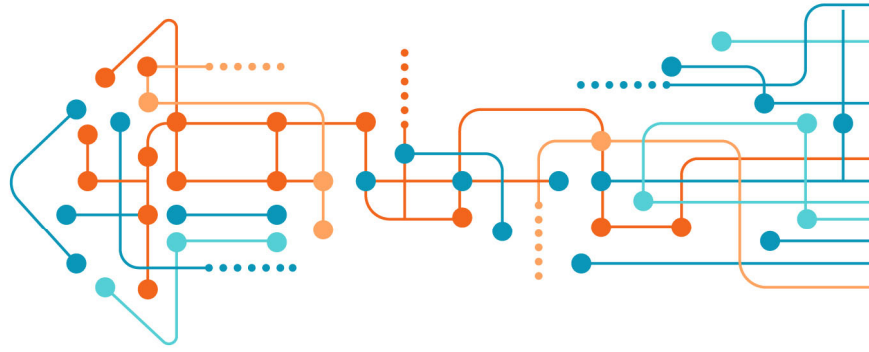




Vicinia Data Gathering Beacon

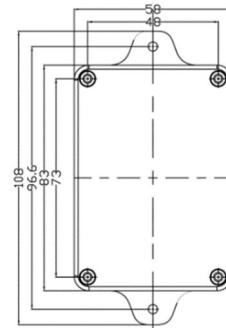
Model: thingsML-DGB01, thingsML-DGN02

Product description

Vicinia Data Gathering Beacon (DGB) is designed to expand wireless data transmission coverage using mesh technology. A set of DGBs autonomously form a wireless mesh network that is self-healing. Each DGB receives data from compatible IoT devices over BLE and communicates it to the cloud via Vicinia Data Gathering Gateways on the network. Functioning as a data repeater is one of the other capabilities of this device.

Features

- Wirelessly collects data from smart devices over BLE4.0/5.2
- Aggregates and communicates data to Vicinia Data Gathering Gateway nodes (DGN) over BLE
- Network extender through BLE layer and mesh layer
- Automatic operation in three roles, Master, Slave, Relay according to the position within the network
- Automatic repair of the network if a node is removed or added to the network
- Automatic detection of other available DGBs and DGNs and adopting the best network configuration
- Over-The-Air (OTA) firmware and configuration update
- Supports online performance monitoring
- Supports indoor positioning with beaconing functionality
- RGB performance indicator



thingsML-DGB01: Outdoor Model

Technical Specifications

- Support BLE4.0/5.2, 2.4 GHz
 - Range: Receive 50m in open area
 - Range: Transmit 75m in open area
- Operating temperature: -25°C to +85°C
- Arm® Cortex™-M4 processor
- Power: 100-240 V, 50-60 Hz, 0.2 W (max)
- Outdoor waterproof model: thingsML-DGB01
- Indoor model: thingsML-DGB02



thingsML-DGB02: Indoor Model (direct plugin)

