# InvigiSense™ Gateway

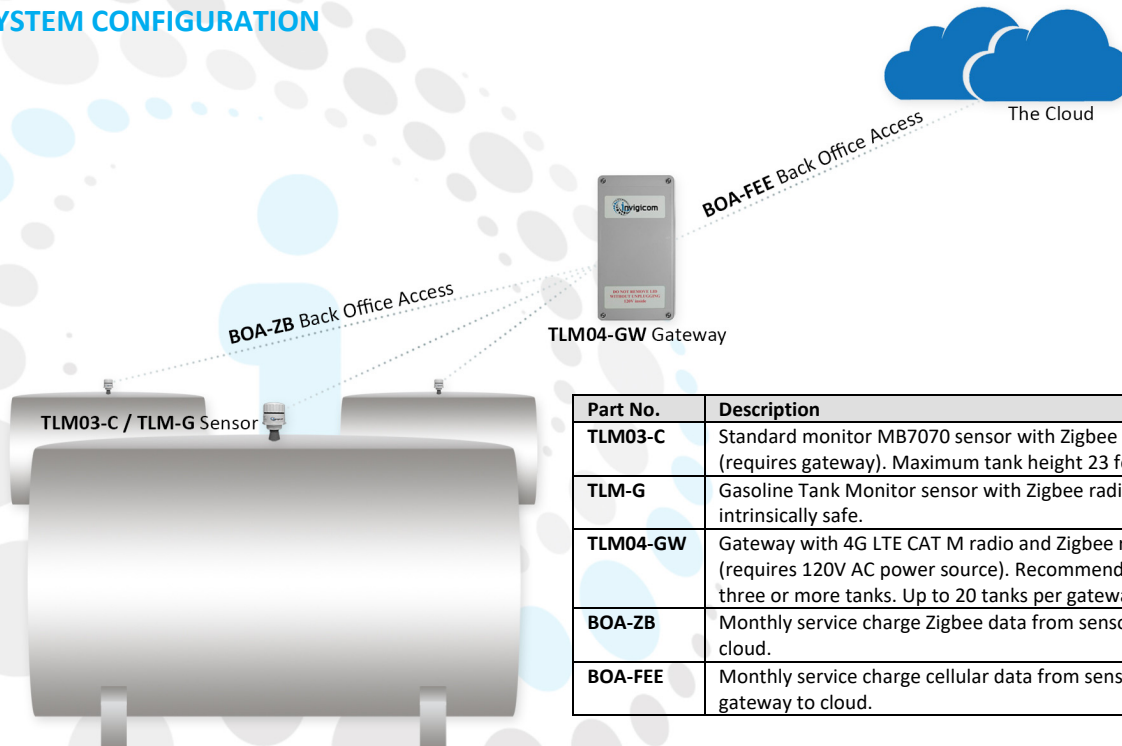**Part Number:   TLM04-GW**

## Description

The InvigiSense™ TLM04-GW indoor/outdoor gateway provides a relay connection from local InvigiSense™ to the cloud. By using a gateway, multiple sensors can share a single cellular radio connection. The reports are sent to the cloud through the gateway. The gateways are AC 120V powered devices, requiring an always-on circuit.

## Operation – Liquid Logistics

The InvigiSense™ gateway is part of the Invigicom ecosystem that provides continuous 24/7 tank level monitoring. Thus, eliminating run-outs and reducing the risk of overfills. Invigicom systems are cost effective and greatly improve operational efficiency by increasing profit margins and improving environmental management.
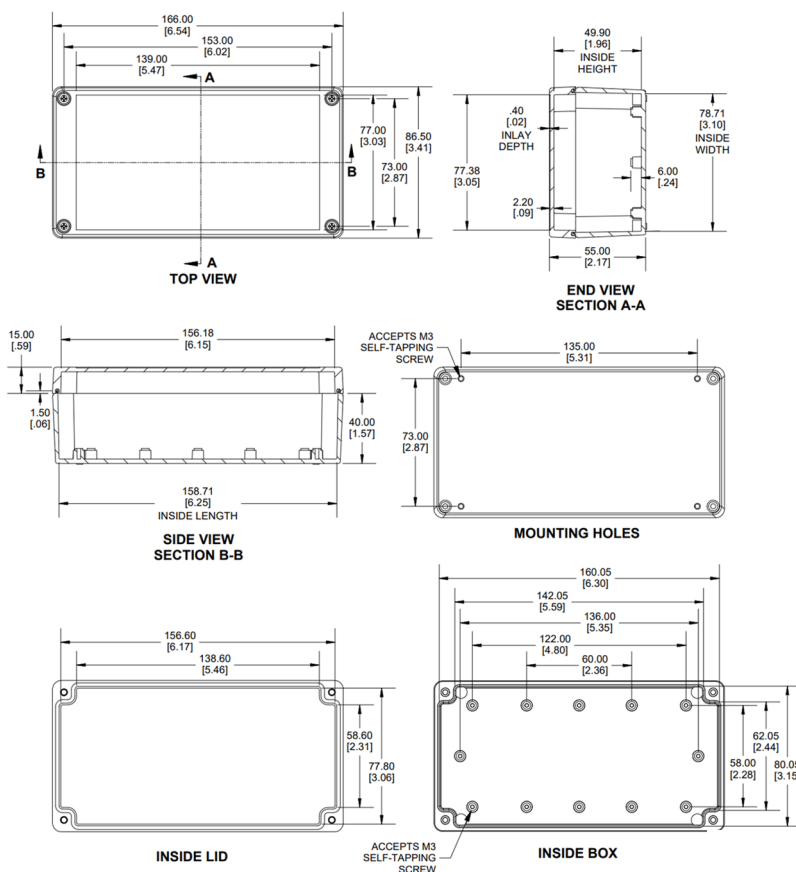


## SYSTEM CONFIGURATION



The Cloud

BOA-FEE Back Office Access

TLM04-GW Gateway

BOA-ZB Back Office Access

TLM03-C / TLM-G Sensor

| Part No. | Description |
|---|---|
| **TLM03-C** | Standard monitor MB7070 sensor with Zigbee radio (requires gateway). Maximum tank height 23 feet. |
| **TLM-G** | Gasoline Tank Monitor sensor with Zigbee radio, intrinsically safe. |
| **TLM04-GW** | Gateway with 4G LTE CAT M radio and Zigbee radio (requires 120V AC power source). Recommended for three or more tanks. Up to 20 tanks per gateway. |
| **BOA-ZB** | Monthly service charge Zigbee data from sensor to cloud. |
| **BOA-FEE** | Monthly service charge cellular data from sensor or gateway to cloud. |

## TLM04-GW GATEWAY DIMENSIONS



TOP VIEW

END VIEW SECTION A-A

SIDE VIEW SECTION B-B

MOUNTING HOLES

INSIDE LID

INSIDE BOX

| SPECIFICATIONS | |
|---|---|
| **General** | |
| **Functionality** | Zigbee to LTE CAT M radio relay for tank level sensors |
| **Compatible Sensors** | TLM03-C / TLM03-G (up to 20 sensors per gateway) |
| **Electrical** | |
| **Power Supply** | 120V AC power cord ~15' (internal AC/DC power supply CFM21S090-E) Voltage 90~264 Vac Frequency 47 to 63Hz Input current 0.3 to 0.5A |
| **LTE Radio Onboard** | LTE Cat M with support for AT&T or Verizon |
| **ZIGBEE RADIO** | ISM 2.4GHz Zigbee Range: up to 300' urban/indoor, up to 2 miles line of sight |
| **Environmental** | |
| **Operating Temperature** | -25°C to 60°C |
| **Operating Conditions** | Indoor/Outdoor |
| **Certification** | FCC |