

# LoRaWAN<sup>®</sup> Indoor Gateway

## LoRaWAN Gateway for Mission Critical Deployments

The Truety Indoor Gateway is an enterprise-grade LoRaWAN gateway designed for in-building applications. This device provides high up-time by combining Ethernet and cellular backhaul through an internal 3G/4G cellular modem as well as a built-in battery backup for up to 4 hours of runtime in the event of a power failure.

The cellular option can be enabled and disabled via the Truety web portal allowing cost and time savings during initial project deployments.

Simple to configure and cost effective, the Indoor Gateway is an ideal hub for deploying enterprise-level applications in areas where LoRaWAN coverage is not yet readily available, or is applicable for private networks where the operator requires unfettered access to the gateways regardless of their deployment location.



### Key Product Differentiators

- » Enable communication with Truety products and other enterprise IoT devices with 'Always On' connectivity
- » Integrated four-hour battery backup
- » Integrated 3G/4G modem
- » Plug-and-play installation with online status via Truety web portal and commissioning app
- » Improve coverage and service resulting in increased IoT application adoption and customer satisfaction
- » 915 MHz ISM band
- » External LoRaWAN antenna
- » Up to 27dBm Tx Power
- » 8 Rx/ 1 Tx channel
- » Factory Image for Mass Deployment
- » In-Service Updates
- » Operational status indicated with multi-function LED
- » Fully integrated with the broader eco-system of LoRa<sup>™</sup> network servers and sensors



## Technical and Functional System Specifications

### Mechanical Parameters

|                         |                               |
|-------------------------|-------------------------------|
| MTBF                    | 830,000 hours                 |
| DC Power Consumption    | 7 W                           |
| Operational Temperature | 32°F to +104°C                |
| Operational Humidity    | 5% to 95% Condensing          |
| Ingress Protection      | IP30                          |
| Size                    | 4.53" x 4.53" x 1.57"         |
| Weight                  | 350 g [200 g without battery] |

### LoRa Radio Parameters

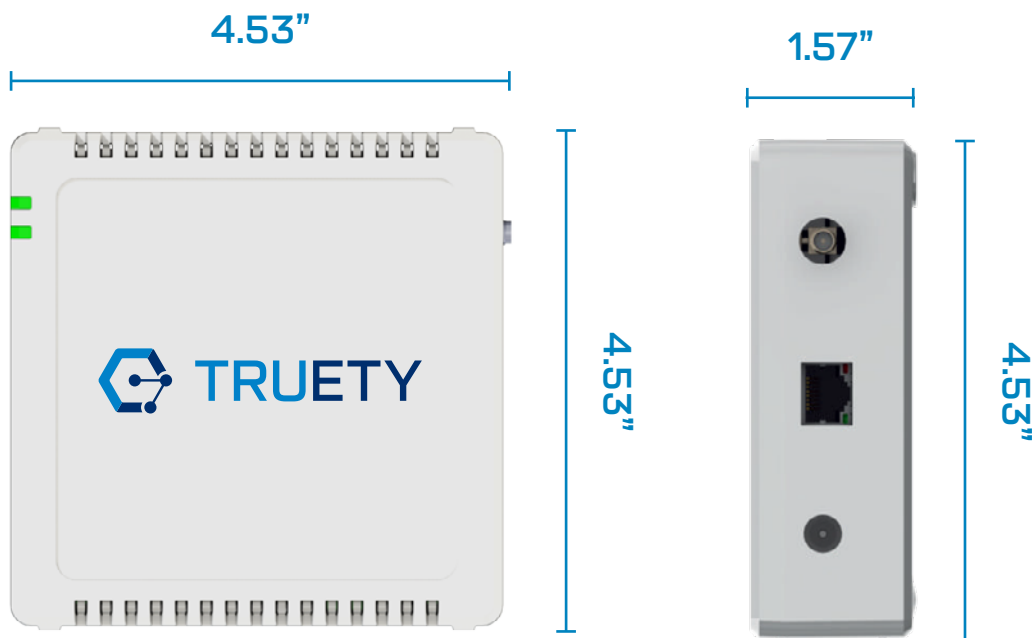
|                  |                                 |
|------------------|---------------------------------|
| ISM Bands        | NA915                           |
| Tx Power         | 14 dBm to 27 dBm                |
| Rx Sensitivity   | -139.5 dBm [SF12, 293 bits/sec] |
| Rx Noise Figure  | 3.5 dB                          |
| Rx Linearity     | -10 dBm                         |
| Rx Dynamic Range | 70 dB Analog, 100+ dB Digital   |

### Interfaces

|                           |                      |
|---------------------------|----------------------|
| Ethernet Backhaul         | RJ-45 [10/100 BaseT] |
| Cellular Backhaul [3G/4G] | [Internal Antenna]   |
| LoRa Antenna              | SMA-RC               |
| Power                     | 12V / 1A Adapter     |

### Regulatory Compliance

|               |                          |
|---------------|--------------------------|
| Safety        | IEC 60950-1 [CE]         |
| Environmental | ETSI EN 300 019-2        |
| Regulatory    | ETSI EN 55022 Class Bsec |
|               | ETSI EN 55024            |
|               | ETSI EN 300 489-1/-3     |



[truety.com/contact-us](https://truety.com/contact-us)

Powered by:

QMC<sup>+</sup> GWF

