



Overview

The H2O Degree LIT1005 LoRaWAN Gateway is the heart of the H2O Degree LoRa radio network at the property. The gateway is equipped with an embedded CPU.

The gateway is connected to the Network Server via Internet via the property's Cat5e Ethernet Internet connection or via Cell Modem. Once connected, the data is transmitted to the H2O Degree Server in the cloud for data collection, processing and report generation.

Wi-Fi/Ethernet Kit Features:

- 4 LEDs: Power, Ethernet, LoRa
- Button: Reset
- Antenna: Wi-Fi-Internal
LoRa-External

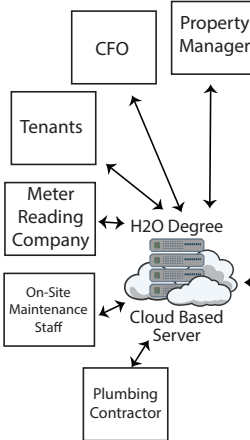
Cellular/Ethernet Kit Features:

- Cellular: 4G LTE, External SIM slot
- 4 LEDs: Power, Cell (LTE), Ethernet, LoRa
- Button: Reset
- Antenna: LoRa-External

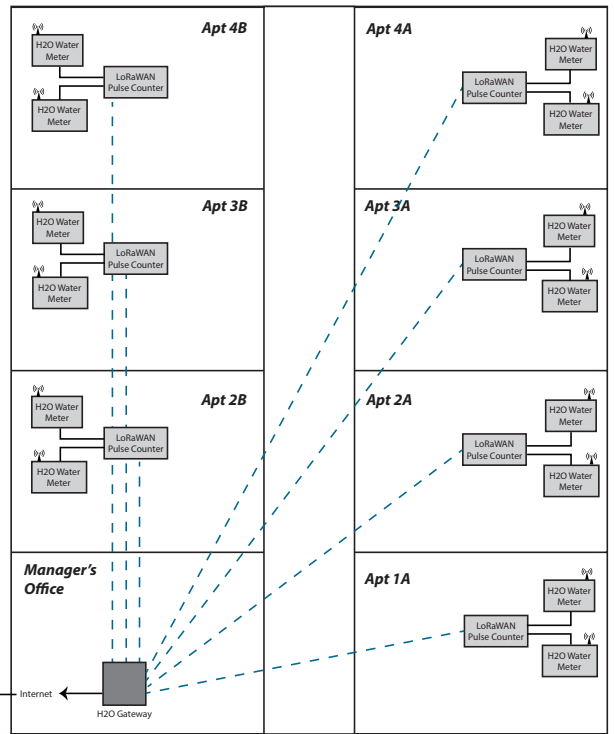
Features

- The H2O Degree LIT1005 is a LoRaWAN compatible gateway.
- Gateway Kits include (1) LIT1005 LoRaWAN Gateway (optionally available with LIT2010 Modem) contained inside one compact enclosure. (120 VAC Power required).
- The LoRaWAN enabled gateway connects to the H2O network servers to enable remote monitoring and control of all H2O wireless devices including water, electric and gas meters.
- Gateway does not require a display, keyboard or mouse.
- Dimensions: (H x W x D) 6.5 x 2.4 x 0.8 inches.
- Five year warranty.

- **Garden-Style** - Covers 70 acre property with one gateway.
- **High-Rise** - Covers 20 story building with one gateway.
- **No repeaters required.**
- **10 Year Battery Life.**



Pulse Output Water Meter Building Configuration Diagram



Wireless meters communicate directly to the H2O Degree LoRaWAN Gateway without any repeaters. Gateway sends data via the Internet to H2O Degree Cloud Based Servers for access from any location where Internet access is available.

State-of-the-art LoRaWAN wireless technology is integrated into the pulse counter to provide best-in-class wireless communication. The wireless system can communicate over a 1,000 foot radius from the gateway within a garden-style apartment complex and up to 20 stories within high-rise properties without any repeaters. Additional Gateways can be added for larger properties.

Ordering Information

Model	Description
LIT1005-0100-KIT	IT1005 LoRaWAN Gateway for MacQ Network with power supply (included) 1-100 radio devices
LIT1005-0500-KIT	IT1005 LoRaWAN Gateway for MacQ Network with power supply (included) 101-500 radio devices
LIT1005-1000-KIT	IT1005 LoRaWAN Gateway for MacQ Network with power supply (included) 501-1000 radio devices
IT2010	Cellular Modem 3G/4G Ethernet interface for CDMA networks includes power supply (includes SIM card)
L54230	L54230 LoRaWAN Two Channel Pulse Counter Radio (Battery Powered) 915 MHz
L54230-O	L54230 LoRaWAN Two Channel Pulse Counter Radio (Battery Powered) 915 MHz for Outdoor installation