



Semtech IOT9USATREF-1

NEW

LoRa® Asset Tracking Reference Kit (US915)

The Asset Tracking Reference Kit enables quick set-up and business case evaluation of asset tracking solutions to expand Internet of Things (IoT) to a wider audience and accelerate the transformation of PoCs into business opportunities for the LoRa ecosystem.



Overview

Features

Web Portal

- Map (Device Tracking) View
- Plots all current device locations on map together or individually
- Shows device history on a map with selectable period
 - Start time up to 7 days
 - Stop time from start time to “now”
- Both street map and satellite configuration (and sat/street hybrid) Include tabular view data

Device Settings View

- Device logical name can be set (e.g., “Pete’s Tracker”, “Red Car”, etc.)
- Allows for fixed configuration settings
 - Text description of settings (including a description of battery life impact)
 - Choose between fast updates or longer battery life

Trackers

- LoRaWAN v1.0.2+ compliant
- FCC and CE/RED certified
- Compact cost effective
- Battery life exceeding a month
 - Primary battery has single screw replacement

Gateway

- LoRa Basics™ Station support
 - Gateway ping
 - LoRaWAN 1.0.2 support or higher
- 8+ LoRa Channels
- External antenna (for greater range)
- Indoor/Outdoor form-factor
- Modular 3G/4G support with preconfigured SIM card
- GNSS/precise timing support
- Outdoor mounting support
- IP67 rating for outdoor mounting

Applications

- Asset tracking
- Automated inventory
- Vehicle tracking on yards
- Palette tracking
- Theft alarm

Order Codes

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Diagrams and Specs

Key Specifications

- The Kit contains the following items:
- 6 LoRa-based GPS trackers
- 1 LoRaWAN® gateway with Cellular backhaul
- Power brick
- LoRa antenna (1)
- GPS antenna (1)
- Cellular antenna (1)
- Ethernet cable (1)
- Magnets (2)

Datasheets and Resources

- Contact Semtech for documentation