



## Design: 064 (remote sense and tracking, portable LoRa gateway )

### Features:

- LoRa radio ( up to 20 Km range in Rural settings, typically minimum of 2 Km in Urban settings)
- Optional GPS receiver (to allow option of precision sync'd communications to class B end point devices)
- Optional 3D Accelerometer (for alternative applications)
- Bluetooth V4.1 , Bluetooth Smart implementation (internal antenna)
- Very long battery life - 2 x AA batteries (2.5 Ah, weeks/months) or USB powered (indefinite)
- Optional data logging memory (for alternative applications)
- Small size (3.56" x 1.41" x 1.30").. Plus external antenna (SMA connection) for LoRa.
- Reprogrammable via USB

### Applications:

Allows mobile, continuous tracking of people, equipment, animals using LoRa technology  
( providing mobile "LoRa gateway")

Allows radio access to LoRa end point devices via Smart phone or Laptop computer.

Smart phone (via Bluetooth) can display overlay of locations being tracked on map.

Continuous usage can be provided by USB powered connection to mapping display on computer.