

Reader (Repeater)

Main features

- Transfers Tags and sensor data to Gateway
- RTLS technology
- Optional - Battery operated
- 3.3V power supply
- Easy to install
- Automatically detected by Gateways and software
- Wall/pole mount

Applications:

- Location tracking
- Asset tracking
- Patient, residents tracking
- Assisted living supervision
- Location based services, alarms and monitoring residents
- Wireless Sensor networks



PowerTags' redefines location tracking for people and asset via an innovative approach using active RFID technology. The first component of the system is an ultra-compact tag operated by a small, long- life battery that lasts years and doesn't require replacing or recharging. It communicates via sub-1GHz Radio Frequency with several Readers(Locators) placed in the facility that triangulate the tag's position and transmit the data to a gateway. The data is sent from the gateway via WiFi or Ethernet to PowerTags' proprietary position engine which then calculates the tag's real-time as well as historical movement patterns that are then displayed on a map/table or 3rd party software.

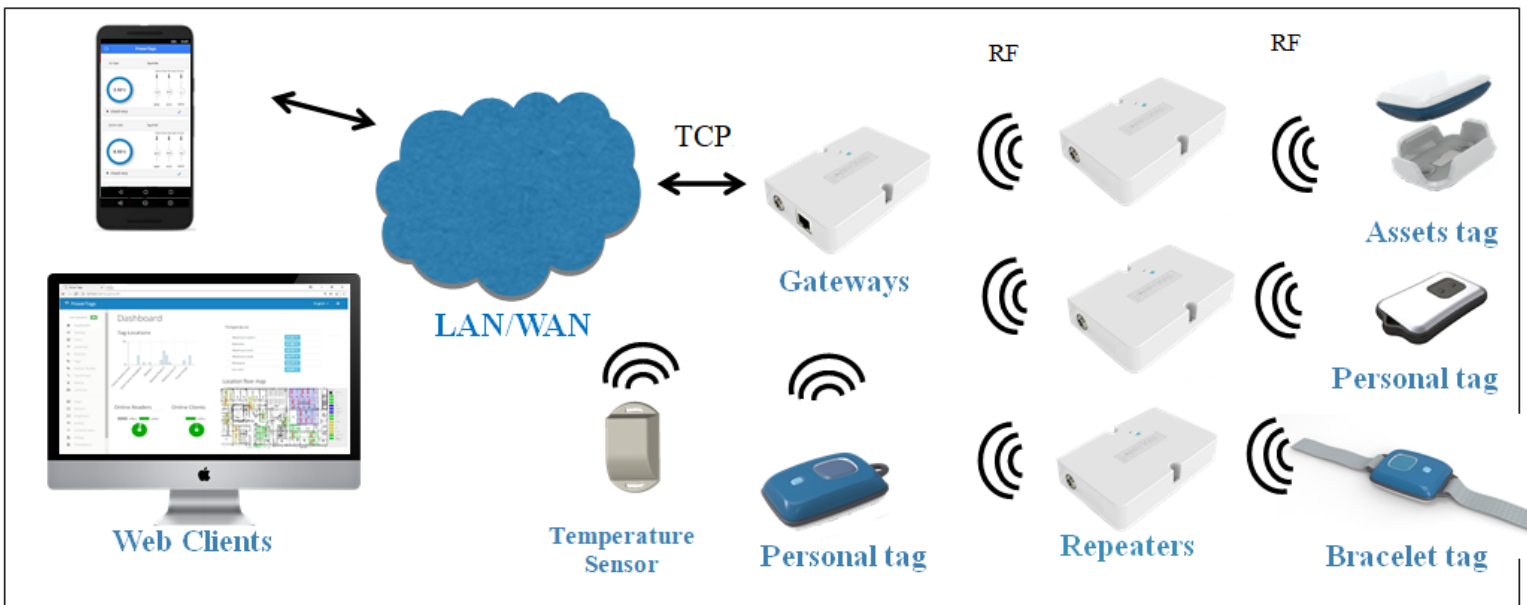
The PowerTags Readers are easy to install on the walls of the facilities and can operate using batteries (for demo purposes) or via power supply.

The Readers role is to receive Active RFID communication transmitted by the Tags, measure the Tags range from the Reader and transfer the data to the Gateway.

The Readers can be configured via the management system the Tags range detection from 9 ft to 150 ft (3m to 50m)

Upon initial installation the Reader is associated to nearest gateway via a simple push of a button.

PowerTags Diagram Options:



***All tags are provided with Location Tracking, sensitive Tilt sensor, a Button and years lasting battery life-span**

Product specifications:

RTLS technology..... Active RFID

Power supply transformer.....3.3V, 0.5A or more

Dimensions 122 x 81 x 26 mm

Weight..... 96 grams

Temperature.....-30C to 60C

Transmission Central Frequency.....868/915.5 MHz

Reception Frequency range868/915 MHz (720 - 970 Mhz by demand)

Transmission output power/ E.I.R.P1 Milliwatt (0 dBm)

Complies with FCC/ CE /IC standards