

PowerTags Evaluation Kit

Affordable Location Tracking for People and Assets

The document describes the evaluation kit



QUICK & EASY SETUP

Easily install sensors and gateway and be up and running in minute:



ACTIONABLE ALERTS

Receive timely alerts via phone, email, and sms text



LOW POWER-LONG LIFE SENSORS

Sensors with low power consumption providing up to 6-year battery life



ANALYTICS & REPORTING

View temperature and notifications logs, plus run and schedule reports



MAPS

Upload facility maps and visualize Real Time data location and readings

PowerTags evaluation Kit:

The PowerTags RFID evaluation Kit provides everything you need in order to demonstrate the capabilities of PowerTags Location tracking System.

Typical application the system can be used for:

Health Care

- Nursing homes patient tracking, nurse call system, staff's code white, wandering management
- Health care security and safety for the staff (Code White)
- Hospital patient tracking/flow
- Mass casualty event
- Hospital assets tracking

Assets Logistic Tracking

- Retail chains inventory management and assets tracking
- Logistics chain management

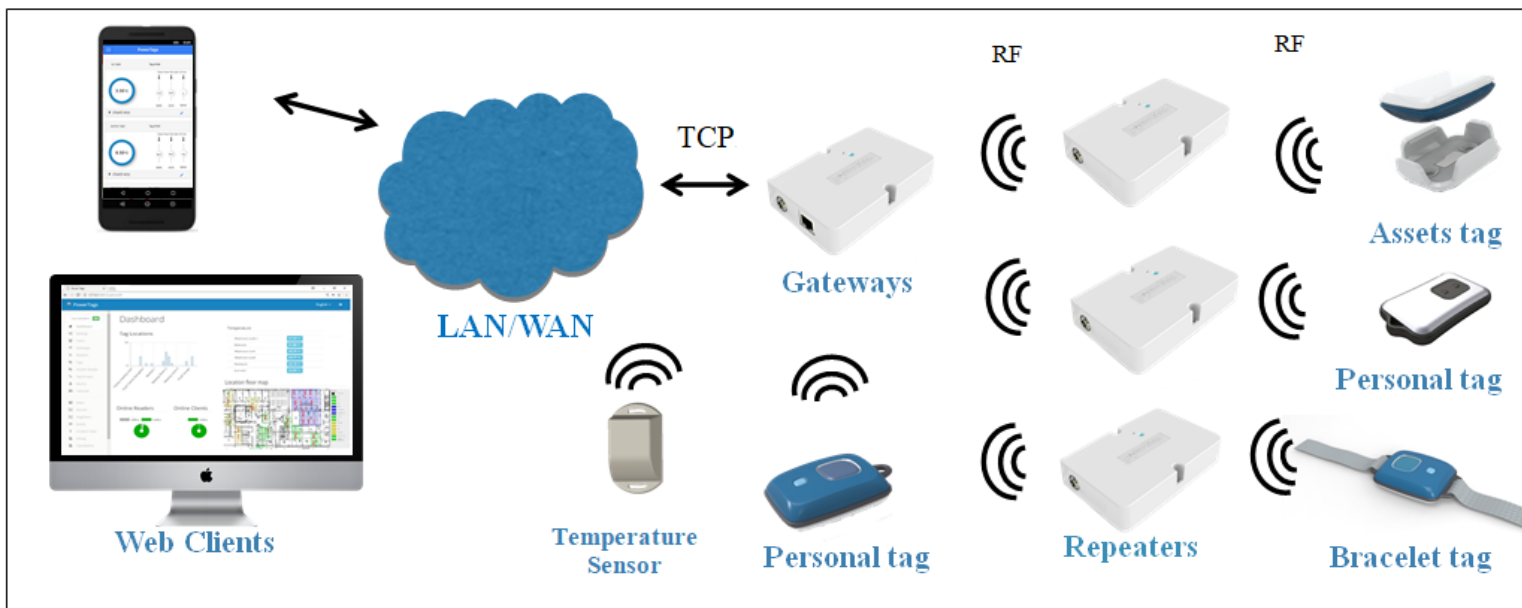
Security and Monitoring

- Assets security monitoring (inc. CCTV Cam integration)
- Visitors tracking – Security geo fencing designated areas

Staff Monitoring and Securing

- Staff presence and arrival
- Staff tracking at high-risk areas (mining, defense, maritime, oil& gas)
- Staff monitoring – un-authorized area access

PowerTags Diagram Options:



The System components:

The systems components include readers/Tags and software

Both Gateways and Repeaters are able to detect and pinpoint tag location

PowerTags Gateways: The Gateway(readers) receives the signals from the RFID tags then it calculates the tag's signal strength and transfers this info to the Management System. The GW Reader is connected to the WAN/LAN via RJ45/CAT5 Ethernet Cable. The GW Reader is powered by an external power supply.

PowerTags Repeaters: The repeaters have the same functionality as the Gateways, however they are simpler to install! As they only require power-supply and **do not** require Network cable wiring.

The Repeaters pinpoint the tags locations and retransmit the data to the nearest gateway by wireless communication.

PowerTags evaluation kit components:

- 5 x Location Tag pendant or bracelet with configurable buttons 2-6 battery life(depends on applications)
- 1 x GW-Reader with RJ45 network connector
- 2 x GW-Reader with RJ45 network connector
- 3 x power supplies for Readers (GW and Repeaters)
- Online Software account for 12 months(for demo purposes only)
- Up to 1 hour training via call or video conferencing



Personnel/Assets locations Tags

- Up to 100 meters location tracking
(Non-Default Up to 500 meters narrow band configuration)
- 2 to 6 years battery (depends on application)
- Motion-Detector sensor:
- General purpose programmable duress button:
 - Patient Emergency Call, Staff "Code-White" etc.
- Low-Battery reported to management system
- Periodically transmits ID beacon that is use for tracking location
- Dimensions: 32 x 40 x 10 mm, weight: 15g

PowerTags Gateway

The gateways can act as a standalone reader or can be bind to a group of Readers and together or each separately are able to read data from the surrounding tags and transfer it to the server via a RJ45 Ethernet connector

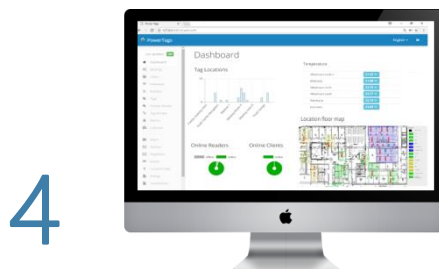
- Configurable TAG detection range: 3 to 80m
- Simple Installation – Plug and Play
- Advanced setting via management system
- Pole or Wall mounting
- 220/110 VAC
- Network RJ45 connector/ CAT5
- Paired with PowerTags Repeaters for range extension
- Complies with FCC/IC/CE
- Small size: 140mm X 100mm X 35mm (Eth)



PowerTags Repeaters

The Repeaters enable an easier installation by only providing a power source and is able to detect tags and transfer their data to the nearest Gateway

- Reduces installation and equipment costs
- RFID GW-Reader range extender
- Simplified Installation – no need for Ethernet connection
- Same characteristics and size as RFID GW



PowerTags Management System

Real-time 24/7 monitoring /reports and analytics

- Location Map, Location table
- Optional sensors – Temperature, humidity CO2
- Asset/staff tracking Historical /real time data
- Autonomous events triggered rule engine - SMS/Emails/Voice call and dry contact notifications
- Position engine - Room/Floor separation
- Charts and reports support
- Cloud based (on-Prem available)