



# Ekahau Location Beacon

The Ekahau Location Beacon family is a very cost-effective solution to further refine the location accuracy of the award-winning Ekahau Wi-Fi RTLS solution. The location beacons are small portable battery-powered transmitters designed to enhance system performance in areas that may have poor Wi-Fi coverage, but the requirements for accurate and consistent location accuracy are mission critical.

## Ekahau Location Beacon

- **Battery powered, no power cabling required**
- **No network cabling required**
- **Battery lifetime up to 2 years**
- **No interference with Wi-Fi or other RF devices**
- **A cost-effective solution for high accuracy deployments**
- **Enhances system performance in areas that have poor Wi-Fi coverage**
- **Up to 100% room and sub-room accuracy**

In areas where Wi-Fi coverage is poor or insufficient, Ekahau Location Beacons can help refine the location accuracy to levels previously only available with expensive, proprietary systems that require wiring new infrastructure in addition to Wi-Fi. For the typical hospital environment, the Ekahau Location Beacons can guarantee room-, bed- and sub bed-level accuracy in any areas with Wi-Fi coverage, without the need to install additional Wi-Fi access points or other infrastructure.

The Ekahau Location Beacon family consists of two different transmitters:

- **Room Beacon** fills a room with the location beacon signal enhancing room-level accuracy
- **Bed Beacon** creates a sub-zone inside a room enabling bed- sub bed- or bay-level accuracy

Ekahau Wi-Fi tags recognize these location beacon signals and transmit the signal data to the RTLS server, which then calculates their precise location of the Ekahau tags. The Location Beacons transmitters can be mounted on a wall or ceiling. Because they do not require any cabling, the Location Beacons can be moved around as needed to improve accuracy for a period of time or installed permanently in specific locations.

### Electrical

3 x AA (LR6) 1.5 V Batteries

### User interface

On / Off Switch

### Environment

Operating temperature:  
32 to 122 °F / 0 to 50 °C

Storage temperature:  
-40 to 140 °F / -40 to 60 °C

### Physical

Dimensions:  
2.7 x 2.5 x 0.7 in  
68 x 64 x 19 mm  
Weight:  
3.7 oz / 106 g

### Mounting options

Double sided tape  
Mounting plate

## Bed Beacon Coverage Area

