

## Wi-Fi Tag for Tracking Assets

The Ekahau A4 is an active location tracking tag that operates over standards-based, enterprise-grade Wi-Fi networks. In conjunction with the Ekahau Real Time Location System (RTLS), the tag enables location of virtually any asset or object. Because the A4 operates on standard Wi-Fi networks, it does not require any extra infrastructure above your enterprise Wi-Fi network.

### Industry-leading Location Accuracy

Using standard 802.11b/g/n 2.4GHz Wi-Fi networks, the Ekahau A4 tag tracks assets in real-time throughout your enterprise. For applications requiring ultra-high location accuracy, such as hospitals, the A4 offers integrated infrared sensors that can be used in combination with Ekahau Location Beacon infrared transmitters for bed-level positioning.

### Extended Battery Life

With the A4 tag's low power radio and intelligent motion sensor, it can provide battery life of up to five years. It also alerts the user when the battery is low.

### Small and Smart

The dust- and splash-proof A4 tag has a small form factor and weight. The design allows users to mount the A4 on small or odd-shaped objects. Mounting options include a custom cradle, zip ties, Velcro® or dual-sided tape.

The tag contains two configurable buttons that can be used for sending alarms or notifying about events such as when an asset needs to be repaired. The tag also includes an optical tamper sensor that sends alerts to the user that the tag has been removed from the object in case of theft or tampering. The tag's LED display and buzzer can be remotely triggered to initiate a local alarm on the tag or alert personnel. The A4 tag can be configured and managed remotely anywhere in the enterprise without having to recall or touch the tag.



## Features

- The most accurate Wi-Fi asset tag
  - Unbeatable accuracy with a standard Wi-Fi network
  - Infrared capability for precision accuracy
- Small size to fit on small and odd shaped assets
- Works on any Wi-Fi network (2.4GHz)
- Long battery life up to 5 years
- Low battery warning system
- Dust- and splash-proof
- Various mounting options
- Two programmable buttons
- Remotely activated audio and LED light alerting
- Over-the-air programming

## Benefits

- Gain enterprise-wide asset visibility
- Find an asset instantly
- Reduce inventory and rental costs
- Improve staff efficiency
- Increase equipment utility

# Technical Specifications

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Supported Wi-Fi Networks: 802.11 b/g/n  
Wi-Fi Chipset: 802.11g  
DSSS (Direct Sequence Spread Spectrum)  
Media Access CSMA/CA  
RCV Sensitivity -90dBm @1Mbit/s (Typical)  
Output Power +11,5dBm  
Frequency Range: FCC, Canada, ETSI 2.4 - 2.4835 GHz  
Network Protocol: UDP/IP, addressing DHCP or static  
Security: WEP 40/104bit (equals 64/128bit) WPA2  
Support for Ekahau Location Beacons

## Electrical Interface

DC Power: 2xCR2 lithium batteries  
Antenna: omni-directional antenna  
Configuration: Over-the-air remote configuration

## User Interface

Two call buttons  
Two red/green signal LEDs  
Buzzer  
Motion detection  
Tamper switch

## Certifications

FCC: Part 15 (US and Canada)  
CE Mark (European Union)

## Frequency Band

Channels 1-11: North America  
Channels 1-13: Global

## Environment:

Operating temperature: 32 to 122 °F / 0 to 50°C  
Storage temperature: -40 to 140 °F / -40 to 60 °C  
Humidity: 95 % non-condensing, relative humidity  
Protection: dust and splash waterproof enclosure

## Typical Operating Range

Open Space: 330ft/100m @11Mbit/s, 500ft/150m @2Mbit/s  
Closed Office: 140ft/40m @11Mbit/s, 200ft/60m @2Mbit/s

## Physical

Dimensions: 1.8 x 2.2 x 0.7 in / 45 x 55 x 19 mm  
Weight: 1.7 oz / 48 g Mounting: double-sided tape, Velcro, mounting plate(optional), hang mount (optional)

Specifications subject to change without prior notice.

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