

Ekahau Family of Wi-Fi Tags

Accurate Tracking

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To locate a person or a mobile object using Ekahau RTLS requires: attaching an Ekahau tag to the tracked object, or a person carrying Ekahau badge. Additionally, mobile computers and other Wi-Fi enabled devices can be accurately tracked using small Ekahau software running in the background of the device.

Ekahau Tags:

- Operate on the 802.11 Wi-Fi standard
- Offers specialized functionality depending upon use case and industry
- Communicate with the Ekahau Positioning Engine for processing and analysis and interfacing with the Ekahau API
- Features either a long battery life or rapid recharging option (based on use case)

T301A - Asset Tag - T301A asset tag is a small battery operated Wi-Fi tag. It is small enough for tagging, yet provides multi-year battery lifetime. The tag incorporates an intelligent motion sensor and software that triggers sending the location data only when that tag is moving or has moved to a new position. This intelligence saves battery life and minimizes required network bandwidth.

T301B Badge - T301B Rechargeable Badge is a credit card-sized rechargeable Wi-Fi tag. It is ideal for personnel tracking, or for tracking assets that have a power source that can be connected to the tag for a continuous power feed. The tag features an intelligent motion sensor, pull switch for activating alarms in case of emergencies, call buttons, and an optional text display for sending and receiving short text messages.

T301BD Wi-Fi Pager - T301BD comes with the same slim and compact form as T301B, but incorporates an OLED (organic LED) display for sending and receiving text messages. This can be used as a Wi-Fi text pager.

T301t Temperature Tag - T301t is a wireless temperature tag for measuring and reporting temperatures using Wi-Fi networks. The tag is ideal for monitoring freezer and fridge temperatures in hospitals and retail stores (ranges from -200 ° to +200 °). The tag comes with an external probe that is inserted inside the freezer or fridge while the tag itself is located outside the cold environment where it can easily associate with Wi-Fi access points and where its battery life is not affected by cold temperature.

T301i Two-way Call Button - The T301i tag is a wireless two-way call button for industrial applications. It provides a reliable method for signaling part, service or other requests by transmitting push button signals to back-end applications. Using its two-way communication capability it is able to display status of the request which gives an estimate on delivery time to the person that dispatched the call.

Product Overview

T301A Asset Tag



T301BD Badge



T301t Temperature Tag



T301i Call Button



Product Overview

Features and Benefits:

About Ekahau

Ekahau Inc. is the industry leader in providing Wi-Fi based RTLS solutions. Ekahau's customers, including several Fortune 500 companies worldwide, are realizing the benefits of Wi-Fi based location services and innovative Wi-Fi network planning and optimization tools. Ekahau partners include wireless software developers, leading system integrators, and international OEM partners, who develop and market wireless enterprise applications. Ekahau is a U.S. based corporation, with offices in Saratoga, CA; Reston, VA; Helsinki, Finland; and Hong Kong, China.

T301Ex IECex Compliant Tag



T301Ex IECex Compliant Tag – T301Ex is an intrinsic safe Wi-Fi location tag for improving personnel safety and improving processes in hazardous environments such as oil & gas rigs, petrochemical refineries and mines. The tag has the same small form factor as the T301A tag which makes it ideal for using for tracking assets and personnel. The tag has been granted international and European petrochemical certificates (IECex, ATEX: II 1 G Eex ia IIc T6).

The Software Client makes this laptop locatable.



T201 Rechargeable Asset Tag – T201 is a rechargeable Wi-Fi tag ideal for asset tracking. T201 features motion sensor for detecting asset movement, a signal button, two red/green LEDs and programmable ringtones. T201 can also be recharged continuously with an external power cable, which eliminates battery changes and minimizes tag maintenance. The T201 provides two way communications as do all other Ekahau tags. The bi-directional communication can be used for remote activation of the LEDs and buzzer, for tag configuration and management.

Positioning Client, "The Software Tag" – Laptops, PDAs, Tablet PCs, wireless bar code scanners and other mobile devices can all be accurately tracked in real-time using Ekahau Positioning Client software. The software installs into computers and sends signal strength measurements in the background to the Ekahau Positioning Engine.

VoWi-Fi handset



VoWiFi Handsets – Voice over Wi-Fi handsets from Polycom or Ascom are now location enabled by Ekahau. The location of personnel carrying these handsets can be tracked using Ekahau RTLS and handset software supplied by the respective companies.

Wi-Fi Modems – Wi-Fi modems are small devices that are used for transmitting telemetry data over 802.1 infrastructures. Ekahau supports location tracking of Wi-Fi modems from vendors Digi and Lantronix. By attaching or integrating these devices with mobile assets, the location of the asset is tracked in real-time using Ekahau.

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