

Ekahau T301-A

Wi-Fi Tag

Ekahau T301-A is a small battery powered active Wi-Fi tag for asset and people tracking. In conjunction with the Ekahau Real-Time Location System (RTLS), the tag provides accurate location using standard 802.11b/g infrastructure. It attaches to equipment or it can be carried in a pocket or worn as a wristband. Its small formfactor and weight allows mounting onto even small or unusually shaped objects. The dust and splash waterproof enclosure with rubber sealing allows the tag to be used outdoors or under dusty or humid conditions.

The T301-A Wi-Fi tag contains a system on chip (SoC) with an intelligent low power radio transceiver, ultra low standby current, and automatic motion detection. As a result, the tag lasts many years on two small batteries. Battery status is continuously monitored and the tag reports itself in when the battery condition reaches a pre-determined level.

The tag contains two configurable buttons for sending alarms or other messages from the tag to integrated applications. The tag's LEDs and buzzer can be remotely triggered for visually and audibly identifying the correct tag or for alerting personnel. The tag configuration and software can be managed remotely anywhere within the wireless network coverage area.

Features

- Battery life up to five years
- Works with any standard 802.11b/g infrastructure
- Low battery warning alerts
- Intelligent battery-life management with motion sensor
- Two programmable call buttons
- Remotely activated custom audio and LED signals
- Remote configuration and software upgrades
- Multiple mounting options

Ekahau RTLS Solution:

- T301 tags
- Ekahau Positioning Engine server
- Finder/Tracker applications

Product Overview



Benefits:

- Battery life up to 5 years
- Smartest two-way location and tracking device in its class
- Wireless configuration and maintenance
- Two call buttons for customized alarms and other notifications
- Small form factor, less than 2 oz/ 50 g

Product Overview

FEATURES AND SPECIFICATIONS

| | |
|---------------------------------|--|
| Technical Specifications | <ul style="list-style-type: none"> • Wi-Fi Standard: 802.11b • MediaDSSS (Direct Sequence Spread Spectrum) • Access CSMA/CA • RCV Sensitivity -82dBm @11Mbps (Typical) • Output Power +11,5dBm • Frequency Range: FCC, Canada, ETSI 2.4 - 2.4835 GHz |
| | <ul style="list-style-type: none"> • Japan 2.471 -2.497 GHz • Network Protocol: UDP/IP, addressing DHCP or static • Security: WEP 40/104bit (equals 64/128bit) |
| Electrical Interface | <ul style="list-style-type: none"> • DC Power: 2xCR2 lithium batteries • Antenna: 2 x omni-directional antennas • Configuration: Over-the-air remote configuration |
| User Interface | <ul style="list-style-type: none"> • Two call buttons • Two red/green signal LEDs • Optical tamper switch • Buzzer • Motion detection |
| Certifications | <ul style="list-style-type: none"> • FCC: Part 15 (US and Canada), CE Mark (European Union), Telec Mark (Japan) • Frequency Band • Channels 1-11: North America • Channels 1-13: Global • Channels 1-14: Japan |
| Environment | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Open Space: 330ft/100m @11Mb, 500ft/150m @2Mb • Closed Office: 140ft/40m @11Mb, 200ft/60m @2Mb |
| Physical | <ul style="list-style-type: none"> • Dimensions: 1.8 x 2.2 x 0.7 in / 45 x 55 x 19 mm • Weight: 1.7 oz/ 48 g |

Specifications subject to change without prior notice.

LTI DataComm
 23020 Eaglewood Ct. #100
 Sterling, VA 20166
www.ltidata.com
 800-677-5050