

Ekahau T301-A Wi-Fi Tag

Benefits

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



Ekahau RTLS complete solution:

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



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 form factor and weight allows mounting onto even small or unusually shaped objects. The dust and 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

Technical Specifications	<p>Wi-Fi Standard: 802.11b DSSS (Direct Sequence Spread Spectrum) Wi-Fi Standard: 802.11b Media Access CSMA/CA RCV Sensitivity -89 dBm @ 2 Mb (Typ) Output Power +21.5 dBm Frequency Range: 2.412-2.484 GHz Network Protocol: UDP/IP, addressing DHCP or static Security: WEP 104 Bit</p>								
Electrical Interface	<p>DC Power: 2 x CR2 lithium battery Antenna: 2 x omni-directional antennas Configuration: Over-the-air remote configuration</p>								
User Interface	<p>Two call buttons Two red/green signal LEDs Optical tamper switch Customizable buzzer</p>								
Battery Life (estimates)	<table border="0"> <tr> <td>Periodic scan-rate</td> <td>Battery life</td> </tr> <tr> <td>20 sec</td> <td>1 year</td> </tr> <tr> <td>15 min</td> <td>5 years</td> </tr> <tr> <td>Motion activated</td> <td>Up to 5 years</td> </tr> </table>	Periodic scan-rate	Battery life	20 sec	1 year	15 min	5 years	Motion activated	Up to 5 years
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Certifications	<p>FCC Part 15 (US and Canada), CE Mark (European Union), Teleg Mark (Japan) Frequency Band Channels 1-11: North America Channels 1-13: Global Channels 1-14: Japan</p>								
Environment	<p>Operating temperature: -40 to 140 °F / -40 to 60 °C Storage temperature: -40 to 140 °F / -40 to 60 °C Humidity: 95 % non-condensing, relative humidity Protection: dust and water proof enclosure, IP-65</p>								
Typical Operating Range	<p>Open Space: 330 ft / 100 m @ 11Mb 500 ft / 150 m @ 2Mb Closed Office: 140 ft / 40 m @ 11Mb 200 ft / 60 m @ 2Mb</p>								
Physical	<p>Dimensions: 1.8 x 2.2 x 0.7 in / 45 x 55 x 19 mm Weight: 1.8 oz/50 g</p>								

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Specifications subject to change without prior notice.