

# Ekahau T301-B Badge

## Wi-Fi Tracking

The Ekahau T301-B is the perfect device for tracking personnel, as well as mobile assets and high-value inventory. The T301-B has a thin form factor, making it especially useful as a lanyard-type wearable device or mounting on objects where a traditional form factor cannot be used. The T301-B battery can be recharged quickly via its charging port. The badge can be fully provisioned, managed and programmed remotely anywhere on a Wi-Fi network without the need for proprietary hardware or complex network integration. The T301-B badge supports both Associated Mode and Beaconing modes.

### Improve safety and security

The T301-B is designed for enterprise customers who want to increase the security and safety of their staff and visitors. Industries such as healthcare, mining, chemical plants, and power plants, for example, can incorporate the T301-B as a staff or visitor security and ID badge. Worn around the neck or carried in pocket, the badge acts as an alarm device and enables two-way communication anywhere within the Wi-Fi network, indoors or outdoors.

### Combined location and communication in a single device

The T301-B badge incorporates audible alarm signals, multicolored LEDs, and an optional message display screen for sending and receiving text messages. The bi-directional messaging capability supports alerts, alarms and other communication to the badge, as well as automatically reporting the person's location.

### Rely on Industry Standards

Ekahau RTLS is the industry's only vendor-neutral RTLS system, which can be deployed over ANY brand or generation of standard 802.11 Wi-Fi networks without the need for proprietary network infrastructure, readers or excitors. Wi-Fi roaming across internal networks and between trading partners is supported. Messaging capabilities of the T301-B are also based on standard network protocols.

### Features

- Badge is the ideal size for personnel tracking
- Displays and supports responding to text messages (Display version)
- Security switch for triggering alarms with location
- 2-way messaging
- Call buttons enable acknowledgements and alerts
- Remotely-activated audio buzzer and LEDs
- Rechargeable battery

## Product Overview



## Benefits:

- The T301-B badge ideal for staff and patient tracking
- Smartest two-way communication and location tracking device in its class
- Two call buttons for customized alarms and notifications
- Display for text messaging
- Rechargeable

## Product Overview

### FEATURES AND SPECIFICATIONS

<b>Preliminary Technical Specifications</b>	<ul style="list-style-type: none"> <li>• Wi-Fi Standard: 802.11b</li> <li>• DSSS (Direct Sequence Spread Spectrum)</li> <li>• Media Access CSMA/CA</li> <li>• Output Power +17dBm</li> <li>• Frequency Range: FCC, Canada, ETSI 2.4 - 2.4835 GHz</li> <li>• Japan 2.4 - 2.497 GHz</li> </ul>
	<ul style="list-style-type: none"> <li>• Network Protocol: UDP/IP, addressing DHCP or static</li> <li>• Security: WEP 40/104bit (equals 64/128bit), WPA2-PSK</li> </ul>
<b>Electrical</b>	<ul style="list-style-type: none"> <li>• DC Power: Rechargeable Lithium Polymer battery</li> <li>• Interface Antenna: 2 x omni-directional antennas</li> </ul>
<b>User Interface</b>	<ul style="list-style-type: none"> <li>• Three call buttons</li> <li>• Two red/green signal LEDs</li> <li>• Safety switch for lanyard</li> <li>• Display for text messaging and menu (optional)</li> <li>• Customizable Alarms</li> <li>• Customizable Menu</li> <li>• Configuration: Over-the-air remote configuration</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• FCC: Part 15 (US), IC (Canada), CE Mark (European Union),</li> <li>• Telec Mark (Japan)</li> <li>• Frequency Band</li> <li>• Channels 1-11: North America</li> <li>• Channels 1-13: Global</li> <li>• Channels 1-14: Japan</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 32 to 122 °F / 0 to 50°C</li> <li>• Storage temperature: -40 to 140 °F / -40 to 60 °C</li> <li>• Humidity: 95 % non-condensing, relative humidity</li> <li>• Protection: dust and splash waterproof enclosure</li> </ul>
<b>Typical Operating Range</b>	<ul style="list-style-type: none"> <li>• Open Space: 330ft/100m @11Mb, 500ft/150m @2Mb</li> <li>• Closed Office: 140ft/40m @11Mb, 200ft/60m @2Mb</li> </ul>
<b>Physical</b>	<ul style="list-style-type: none"> <li>• Dimensions: 2.36 x 3.54 x 0.33 in / 60 x 90 x 8.5 mm</li> <li>• Weight: 1.7 oz/ 48 g</li> </ul>

Specifications subject to change without prior notice.

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