ekahau

T301BD
Wi-Fi Pager Badge

Badge and Wi-Fi Pager

The Ekahau T301B badge and T301BD pager provide accurate location tracking of your personnel within your existing Wi-Fi networks. These badges are the same size and shape of typical ID badges and fit easily on a lanyard with other credential cards.

Both the Ekahau T301B and the T301BD enable easy two-way communication between staff members. This helps organizations increase staff productivity and safety. Ekahau RTLS provides key staff members the information they need using context (such as tag button press, location, or proximity) and condition (item category, count, or temperature) aware business rules. The T301BD badge incorporates a self illuminating OLED (organic LED) display for sending and receiving text messages, creating a powerful paging capability. Ekahau RTLS provides an easy to use Web based user interface to query the location of staff members on large campuses. The text messaging capability combined with accurate real-time location provides a powerful way to remotely manage even a large area and numbers of people.

This small two-way device provides an ideal way to improve staff security. A staff member is able to send an alert if being attacked or if immediate help is needed. The alarm, which reveals the precise location of the badge at the time of the alert, can be programmed to call security, re-point video cameras to the alert area, or control door locks and lighting, all customizable for your environment.

The badges use a high-energy rechargeable battery that works for weeks or months without recharging. The battery can be charged using individual desk chargers or a rack charger which can charge up to 10 tags at a time.

At the center of the Ekahau solution is the Ekahau Positioning Engine (EPE), which collects location information from the badges, analyzes the data and creates reports for customer review and processing. The EPE has an HTTP/XML API, enabling Ekahau data to be integrated with existing back-office systems.

Features

- Designed for staff or other personnel tracking applications
- Can receive and send text messages (T301BD version)
- Pull switch for triggering alarms with location
- Call buttons enable acknowledgements and alerts
- Remotely-activated audio buzzer and LEDs
- Rechargeable battery

Benefits

- Accurately track, staff, visitors, and other essential personnel
- Speed up staff communications using Ekahau's exclusive two-way paging capability
- Send and receive messages to and from any badge within your Wi-Fi environment
- Customize alarms and notifications with two call buttons
- Stay powered with rapid two hour charge

Ekahau RTLS Solution:
- T301 tags
- Ekahau Positioning Engine
- Vision End-User Application

Technical Specifications

Wi-Fi Standard: 802.11 b/g/n
DSSS (Direct Sequence Spread Spectrum)
Media Access: CSMA/CA
Output Power: +16dBm
Receiver Sensitivity: -93dBm@1mbps
FCC, Canada, ETSI 2.4 - 2.4835 GHz
Japan 2.471 -2.497 GHz
Network Protocol: UDP/IP, addressing DHCP or static
Security: WEP 40/104bit (equals 64/128bit), WPA2-PSK

Electrical

DC Power: Rechargeable Lithium Polymer battery
Capacity: 640mAh
Rated cycle life: 500 cycles
Interface Antenna: 2 x omni-directional antennas

User Interface

Two call buttons and a menu button
Two red/green signal LEDs
Safety switch for lanyard
Customizable Alarms
Organic LED Display for text messaging and menu (T301BD)
T301BD
Customizable Display Menu

Certifications

FCC Part 15 (US), IC (Canada), CE Mark (European Union),
Telec Mark (Japan)
Channels 1-11: North America
Channels 1-13: GlobalChannels 1-14: Japan

Frequency Band:

Operating temperature: 32 to 122 -F / 0 to 50-C
Storage temperature: -40 to 140 -F / -40 to 60 -C

Environment

Humidity: 95 % non-condensing, relative humidity
Protection: dust and splash waterproof enclosure

Typical Operating Range

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

Physical

Dimensions: 2.36 x 3.54 x 0.33 in / 60 x 90 x 8.5 mm
Weight: 1.7 oz/ 48 g

Specifications subject to change without prior notice.

www.ekahau.com
sales@ekahau.com
info@ekahau.com

USA

East Coast
1851 Alexander Bell Drive
Suite 300
Reston, VA 20191
Tel: 1-866-4EKAHAU
Fax: 1-703-860-2028
sales-americas@ekahau.com

West Coast
12930 Saratoga Avenue,
Suite B-8
Saratoga, CA 95070
Tel: 1-866-4EKAHAU
Fax: 1-703-860-2028
sales-americas@ekahau.com

EUROPE

Hiilikatu 3
00180 Helsinki, Finland
Tel: +358-20-743 5910
Fax: +358-20-743 5919
sales-europe@ekahau.com

ASIA

1-64-7 Den-en-chofu, Oota-ku
Tokyo 145-0071, JAPAN
Tel: +81-90-8514 7882
sales-asia@ekahau.com

Global Tech Support: support@ekahau.com