KLS TECHNOLOGIES
A DVASH-IT LLC Company

AiRISTA FLOW

B4 Badge Tag

Wi-Fi badge tag for real-time locating

The AiRISTA Flow B4 badge tag provides accurate location for tracking people within your enterprise using an existing Wi-Fi network. These badges are the same size and shape of typical ID badges to fit easily on a lanyard with other credential cards or on a belt clip.

The B4 badge enables easy two-way communication between staff members helping organizations increase staff productivity and safety. The AiRISTA Flow Real-Time Location System (RTLS) gives key staff members the information they need using context-aware (such as tag button press, location, or proximity) and condition-aware (item category, count, or temperature) business rules. The badge incorporates a self-illuminating OLED (organic LED) display for sending alerts and receiving text messages. This distinguishing feature enables staff to communicate for routine or emergency reasons to offer enhanced on-the-job safety for staff members and others that may be impacted. AiRISTA Flow RTLS provides an easy-to-use web-based user interface that displays the location of people wearing the B4 badge in an actual, floorplan view. The text messaging capability, combined with accurate real-time location data, provides a powerful way to remotely manage large areas, workflows, and a high volume of people, and the workflow of large numbers of people.

Two-way communication and custom buttons

This small, two-way device is an ideal way to improve staff security. Using the B4 badge, a staff member is able to send an alert if being attacked or if immediate help is needed. In addition, a built-in motion sensor enables automated "man down" alarms. 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, or control door locks and lighting -- all customized to your environment.

The badge tags use a high-energy, rechargeable battery that works for weeks (depending on location update interval) without recharging. The battery can be charged using individual desk chargers or a rack charger, which can charge up to ten badge tags at a time.

Features

- Designed for staff or visitor location awareness applications
- Hands-free safety pull for staff duress
- Programmable buttons for customized messaging
- Remotely-activated audio buzzers and two LEDs for on-board alerting
- Includes environmentally-friendly rechargeable batteries

Benefits

- Accurately track, staff, visitors, and other personnel
- Reduce response times with Airista Flow's exclusive two-way communication features
- 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

Technical Specifications

Radio

Supported Wi-Fi Networks: 802.11 b/g
DSSS (Direct Sequence Spread Spectrum)
Media Access: CSMA/CA
Output Power: +12dBm
Receiver Sensitivity: -93dBm@1Mbit/s
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 interface

DC Power: Rechargeable Lithium Polymer battery
Capacity: 600mAh
Rated cycle life: 300 cycles > 70% of initial cap
Interface Antenna: omni-directional antenna

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
Customizable Display Menu

Certifications

FCC Part 15 (US), IC (Canada), CE Mark (European Union)

Frequency band

Channels 1-11: North America
Channels 1-13: Global
Channels 1-14: Japan

Environment

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: splash proof enclosure

Typical operating range

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

Physical

Dimensions: 2.36 x 3.54 x 0.33 in / 60 x 90 x 8.5 mm
Weight: 1.7 oz/ 46 g

Specifications subject to change without prior notice.

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