AeroScout®

AeroScout T2s Tag

Small Form Factor Wi-Fi Tag Suitable for People Tracking and a Broad Range of Applications

Overview

The T2s Tag is based on AeroScout's market leading T2 Wi-Fi Tag, with its proven usability, dependability and scalability.

These battery-powered tags can be worn by people and attached to a variety of equipment, such as patients, staff and small medical devices. This enables tagged people and items to be accurately located in real-time and in any environment – from tight indoor locations such as hospital floors to open outdoor spaces such as parking lots. In addition, the same tag can be used for immediate choke-point detection, room and bay level location, call-button alerting, motion sensing and more.

T2s Tag messages are received and processed by standard Wi-Fi infrastructure keeping infrastructure costs low and installation simple. As with all AeroScout Tags, location determination is performed through a unique beaconing method that keeps network impact low and ensures scalability and long battery life. T2s Tags are ideal for patient and staff tracking and for a broad range of applications that streamline business processes and improve operations and workflow.

Wi-Fi Tag ideal for people tracking

- Leverages Wi-Fi network for true enterprise-wide visibility at the lowest total cost of ownership
- Ideal for a variety of critical applications such as patient and staff tracking in healthcare and personnel safety
- Broad functionality includes room and bay level location, choke point detection, call button, motion detection and wrist strap
- Robust design – rugged, water proof and suitable for indoor and outdoor operation

Key Features

Wi-Fi Compatibility

T2s Tags use any standard Wi-Fi network infrastructure, keeping costs low and making deployments simple and fast. The tags can be used to determine the location and status of people and mobile assets. The Tags' wireless messages are received by Wi-Fi access points. T2s Tags utilize a unique beaconing method (instead of associating with networks) that keeps network impact low and ensures scalability and long battery life.

Long Battery Life

The T2s Tag has a single, replaceable battery. The tag provides a report on its battery level for timely battery replacement. The T2s Tag also has a motion sensor to conserve battery life when the tag is not in motion.

Room-Level Location and Chokepoint Detection

T2s Tag includes embedded Low-Frequency (LF) receiver and optional Ultrasound receiver. This is the only tag on the market that has this unique tri-mode functionality with Wi-Fi, Ultrasound and LF. Ultrasound signals do not go through walls and thus ensure accurate room-level resolution when and where required (e.g. determining that a nurse is attending a patient in his room or real-time tracking of a patient as he moves through the peri-operative process). T2s Tags also provide instant notification when a tagged person or asset passes through a gate, doorway or other tightly-defined area (e.g. a wandering trauma patient leaving the ward unattended or workers in a hazardous environment reaching evacuation/mustering points).

Call Button

An optional call button provides the capability to define alerts according to button clicks – such as a patient distress call or staff duress situation requiring immediate assistance or attention. Multiple messages can be set up using different button-click patterns.

Motion Sensing

T2s Tags contain on-board motion sensors. The motion sensor can be configured to trigger alerts (e.g. an employee/patient is not in motion for a long period of time). It also enables different transmission intervals for tags when they are stationary or in motion – which reduces unnecessary network traffic and conserves battery life.

Rugged Performance

AeroScout Tags are designed to function in harsh work environments and weather conditions. The tag enclosure is water-resistant and designed to withstand significant physical shocks.

Message Programmability

The tag has programmable messages that can be transmitted wirelessly. For example, when the call button is clicked, the tag will send an Emergency message along with the location.

Tag Management

T2s Tags are easily configured and activated wirelessly via AeroScout's Tag Management Suite.

Flexible Mounting and Usage Options

T2s Tags are designed to be worn with a wrist strap by patients, staff members or other personnel. In addition, tags can be mounted on a variety of assets.

T2s Tag with badge clip mount

T2s Tag with Ultrasound receiver and call button

AeroScout T2s Tag Specifications

PERFORMANCE

- **Outdoor range:** Up to 200m (650 feet)
- **Indoor range:** Up to 80m (260 feet)

PHYSICAL AND MECHANICAL

- **Dimensions:** 45mm x 31mm x 18mm (1.7in x 1.2in x 0.7in)
- **Weight:** 40g (1.4oz)

RADIO

- 802.11 compliant (2.4 GHz)
- Low frequency receiver for chokepoint detection (125kHz)
- Transmission power: up to +19dBm (~81mW)
- Patented clear channel sensing avoids interference with wireless networks

ULTRASOUND RECEIVER (OPTIONAL)

- Frequency 40KHz

PROGRAMMABILITY

- Transmission interval is configurable, 1 sec to 3.5 hours
- Channel programmable
- Wireless tag programming

ENVIRONMENTAL

- **Temperature:** -30°C to +75°C (-22°F to +167°F) without Ultrasound receiver; 0°C to +50°C (32°F to 122°F) with Ultrasound receiver
- **Humidity:** 0 to 95%, condensing
- Water and dust resistant (IP67)

ELECTRICAL

- 3.6V Lithium ½ AA battery (replaceable)

CERTIFICATIONS

- **Radio:**
  - o FCC Part 15, sub-part C class B, sub-part B
  - o EN 300-328, EN 300-330, EN 301-489
  - o RSS 210 (Canada)
- **Safety:**
  - o CE and cTUVus (EN60950)

Ordering Information

For ordering and pricing information on the T2s Tag and accessories, contact AeroScout at info@aeroscout.com and refer to the AeroScout T2s Tag line of products (TAG-2300).

Contact Info

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