

Data Sheet:

T2s Tag

Small form factor wi-fi tag suitable for people tracking and a broad range of applications

Overview

The STANLEY Healthcare T2s Tag is a component of our enterprise-level visibility solution based on standard Wi-Fi communication for location-based applications.

This battery-powered tag can be worn by patients and staff or attached to a variety of assets, such as medical devices. This enables patients, staff and assets to be accurately located in real-time and in any environment – from 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. As with all our tags, location is determined 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.

Key Features

Wi-Fi Compatibility

T2s Tags use any standard Wi-Fi network infrastructure, keeping costs low and making deployments fast and simple. The tags can be used to determine the location and status of people or assets. The tags' wireless messages are received by Wi-Fi access points and passed to our MobileView enterprise software.

Long Battery Life

The T2s Tag has a single replaceable battery that can provide power for up to 4 years (depending on tag type, configuration and use case). The tag is able to report its battery level, which is displayed in MobileView. The tag also has a motion sensor to conserve battery life when the tag is not in motion.

Room-Level Location and Chokepoint Detection

The T2s Tag includes an embedded Low-Frequency (LF) receiver and an 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 the room or for tracking patients in real time as they move through the peri-operative process). The tag can also provide instant notifications when passing 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 allows you to define alerts according to button presses – such as a patient distress call or a staff duress situation requiring immediate assistance or attention. Multiple messages can be set up using different button press patterns.



Product Highlights

- Leverages your Wi-Fi network for true enterprise-wide visibility at the lowest total cost of ownership
- Ideal for a variety of applications such as patient, staff and asset tracking
- Broad functionality includes room and bay level location, choke point detection, call button alerting, and motion detection
- Various attachment and mounting options
- Rugged performance



T2s Tag with Ultrasound Receiver Only



T2s Tag with Call Button Only

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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 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

The T2s Tag passes STANLEY internal testing to IP-67 preventing dust ingress, and withstanding water immersion up to 1 meter (3 feet).

Message Programmability

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

Tag Management

T2s Tags are easily configured and activated, wirelessly, using the Tag Manager Application together with a Tag Activator or TED device, which are part of the Hardware Manager Kit.

Flexible Mounting and Usage Options

T2s Tags are designed to be worn by patients, using a wrist strap, attached to staff members, using a T2s Staff Badge Cradle, or mounted to assets, using a T2s Asset Tag Cradle.



T2s Tag with Wrist Strap



T2s Tag Mounted with Asset Tag Cradle

T2s Tag with Staff Badge Cradle and Reel

T2s Tag Specifications

Performance	Outdoor range: Up to 200m (650 feet) Indoor range: Up to 80m (260 feet)
Physical & Mechanical	Dimensions: 45mm x 31mm x 18mm (1.7in x 1.2in x 0.7in) Weight: 26g (0.92oz)
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, 5 sec to 3.5 hours Channel programmable Wireless tag programming
Environmental	Temperature: T2s Tag without Ultrasound receiver; -30°C to +75°C (-22°F to +167°F) Temperature: T2s Tag with Ultrasound receiver; 0°C to +50°C (32°F to 122°F) Humidity: 0 to 100%, condensing Ingress Protection Rating: Passes STANLEY internal testing to IP-67
Electrical	3.6V Lithium ½ AA battery (replaceable)
Certifications	Radio: FCC Part 15, sub-part C class B, sub-part B EN 300-328, EN 300-330, EN 301-489 RSS 210 (Canada) Safety: CE and cTUVus (EN60950)

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