

Data Sheet:

T3s Staff Badge

Wearable Wi-Fi Badge Enabling Real-Time Visibility of Hospital Staff

Overview

The T3s Badge is based on STANLEY Healthcare's market leading T2 Wi-Fi Tag, with its proven usability, dependability and scalability.

These battery-powered badges are worn by hospital staff, enabling them 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 badge can be used for egress point detection, room and bay level location, call-button alerting, motion sensing, hand hygiene monitoring, patient flow and more.

T3s Badge messages are received and processed by standard Wi-Fi infrastructure keeping costs low and installation simple. As with all our badges, location determination is performed through a unique beaconing method that keeps network impact low and ensures scalability and long battery life.



Key Features

Wi-Fi Compatibility

T3s Badges use any standard Wi-Fi network infrastructure, keeping costs low and making deployments simple and fast. The badges can be used to determine the location and status of hospital staff. The badges' wireless messages are received by Wi-Fi access points and passed to our MobileView enterprise software.

Long Battery Life

The T3s Badge has a user replaceable battery which can provide up to 2 years battery life*. The badge is able to report its battery level which is displayed in MobileView. The T3s Badge also has a motion sensor to conserve battery life when the badge is not in motion.

*Battery life depends on configuration, use case and infrastructure.

Room-Level Separation and Egress Point Detection

The T3s Badge includes an embedded Low-Frequency (LF) receiver and an optional Ultrasound receiver. Ultrasound signals do not go through walls and thus ensure accurate room-level resolution when and where required (e.g. determining if a nurse is attending to a patient in a room). T3s Badges also provide instant notification when a staff member passes through a gate, doorway or other tightly-defined area.

Call Button

A call button provides the capability to define alerts according to button presses – such as a staff duress situation requiring immediate assistance or attention. Multiple messages can be set up using different button press patterns.

Motion Sensing

T3s Badges contain on-board motion sensors. The motion sensor can be configured to trigger alerts (e.g. when a staff member is not in motion for a long period of time). It also enables different transmission intervals for badges when they are stationary or in motion, which reduces unnecessary network traffic and conserves battery life.



Product Highlights

- Leverages standard Wi-Fi infrastructure for low total cost of ownership and ease of deployment
- Various attachment options
- LED and audio indications
- Configurable call button
- Ultrasound Receiver for room level accuracy
- Broad functionality, including motion sensing and egress point detection
- Rugged performance

Rugged Performance

The T3s Badge enclosure is designed for durability, is water and dust resistant and is able to withstand impacts*.

*See product specifications for IP rating.

Badge Management

T3s Badges 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.

LED and Audio Indications

T3s Badges include a red LED on the front for visual indications, such as message transmission, and a buzzer for an audio indication when the call button is pressed.

Data Sheet: T3s Staff Badge

Attachment

The T3s Badge has various attachment options. The badge is fitted with a flange allowing it to be clipped on a pocket, using a badge clip, or it can be worn around a staff member's neck, using a lanyard. Other attachment options include a retractable reel and retractable reel with back clip.



T3s Badge Attachment Options

Product Specifications

Part Numbers <i>*All models include a Call Button and Ultrasound Receiver</i>	SKU: TAG-3210-CU*	Basic Model with no retractable reel
	SKU: TAG-3210-CU-Y*	Includes retractable reel and badge clip
	SKU: TAG-3210-CU-Y-CLIP*	Includes retractable reel with back clip
Range	Outdoor range: Up to 200m (650 feet) Indoor range: Up to 80m (260 feet)	
Physical and Mechanical	Dimensions (incl. Flange): 80mm x 40.6mm x 20mm (3.14in x 1.60in x 0.8in) Total Weight (Incl. Retractable reel): 53g (1.86oz)	
Radio	802.11 b/g/n 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	Frequency: 40KHz	
Programmability	Transmission interval is configurable, 1 sec to 3.5 hours Channel programmable Wireless tag programming	
Environmental	Temperature: 0°C to +50°C (32°F to 122°F) Humidity: 0 to 95%, RH non-condensing Ingress Protection Rating: IP-65	
Electrical	3.6V Lithium ½ AA battery (replaceable) Battery life: Up to 2 years, depending on configuration, use case and infrastructure.	
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, cTUVus (EN60950)	
Accessories	Retractable Reel without Back Clip (20 pack)	SKU: TAC-362
	Retractable Reel with Back Clip (20 pack)	SKU: TAC-363
	Badge Clip (20 pack)	SKU: TAC-210
	T3s Batteries (50 pack)	SKU: TAC-231
	Hardware Manager Kit for the configuration of Tags and Exciters	SKU: HWM-1000
	T3s Badge empty plastic housing (20 pack)	SKU: TGH-3200-CU

STANLEY
Healthcare

Phone: +1-888-622-6992

North America: stanleyhealthcare@sbdinc.com

Latin America: stanleyhealthcare-latam@sbdinc.com

Middle East: stanleyhealthcare-MEA@sbdinc.com

Asia Pacific: stanleyhealthcare-asiapac@sbdinc.com

Europe: shs-uk@sbdinc.com