

DATA SHEET

# T8p Wi-Fi Protected Tag

The T8p Tag is a very small form factor, Wi-Fi transmitter that responds to cutting or tampering with the band. A skin-sensing feature is also used to detect any tampering attempts with the tag or band.



## Tag Highlights

- Small form factor
- Band-cut protection
- Skin-sensing (tamper proof)
- Rechargeable
- Leverages existing Wi-Fi network
- Constantly supervised by the network
- Supports full operability with the EX5500 Door Controller

## Description

The T8p Tag uses any standard Wi-Fi network infrastructure, keeping costs low and making deployments simple and fast.

Leveraging the Wi-Fi network, tagged patients are accurately located in real-time and in any environment – from closed indoor locations such as hospital floors, to open outdoor spaces such as parking lots.

The Wi-Fi communication utilizes a unique beaconing method (without associating with networks) that keeps network impact low and ensures scalability as well as long battery life.

The unique patented asymmetric shape of the tag helps to ensure that it does not pinch or irritate the patient's skin, and helps prevent it from being pulled off, while still allowing the wrist or ankle to move freely. The tag is water-resistant to allow bathing of the patient, and complies with standards to avoid interference. It is also resistant to soiling and UV light, and may be cleaned with a hospital-approved disinfectant solution.

## Key Features

### *Tamper and Skin Sensing*

The tag comes with a skin sensor feature that can be enabled, as needed. The skin-sensing feature notifies you if the tag is not properly applied to the patient, either because the tag was applied too loosely or due to weight loss. This feature also helps to ensure that the tag is always securely applied and protecting the patient by sending timely reminders to a staff member.

### *Audio Indications*

T8p Tags have an audio indicator (buzzer) that sounds a two note chime once the tag is admitted and active.

### *Protected Functionality*

The tag continuously transmits “supervision” messages, indicating it is OK and that the patient is protected.

### *Easy Attachment*

The tags are designed to be worn with a wrist strap on patients’ wrists or ankles.

### *Detection*

T8p Tags provide instant notifications when a patient passes through a protected egress area, such as a gate, doorway or other tightly defined area. Local door locking and alarms can be triggered when coupled with a Controller.

### *Compatibility and Non-interference*

The tags are 802.11b compatible. The tag’s clear channel sensing techniques avoid interference with Wi-Fi networks. The use of the unlicensed 2.4GHz frequency band at low power minimizes interference with other wireless equipment, making the tags safe for use with sensitive equipment, such as medical devices.

### *Waterproof/Water Resistant*

The tags are water resistant and meet IP-67 standard for preventing dust ingress, and are waterproof up to 1 meter (3 feet) for up to 30 minutes. Additionally the tags are able to withstand impacts and can be worn while taking a shower or bath.

### *Rechargeable Battery*

The T8p Tag contains a Lithium 4.2 V non-replaceable rechargeable battery and are charged using the T8p Tag Charging Station.

***Recharge after each use!***

### *Battery Life and Charging Time*

#### **Charging Time:**

Up to 3 hours is the maximum charging time for a tag from a low battery state.

#### **Battery Life:**

Once charged, the T8p Tag typically lasts two weeks under normal use. It is, however, recommended to place the T8p Tag in the Charger between uses (***ensure the tag is cleaned first!***).

### *Cleaning the Tag*

**Note: The tag is not sterilized at the factory and should be cleaned before first use.**

Consult with your Infection Control representative for cleaners available to your hospital that have been approved for use on plastics as stated in STANLEY Healthcare Technical Bulletin [KB# 8184] “Approved Cleaning Materials for Patient Security Tags” – available on the STANLEY Healthcare Support Community ([stanleyhealthcare.com/support](http://stanleyhealthcare.com/support)).

Please also be aware of the following additional general guidelines:

- Do not use an autoclave to clean the tag or serious damage may result
- Do not use a disinfectant with more than 20% alcohol
- Do not soak the tag
- If required, a disposable soft-bristle brush may be used to remove surface dirt from the tag’s surface or the contacts on the tag
- Rinse and thoroughly dry all tags after cleaning

## Product Specifications

<b>Model (SKU)</b>	<ul style="list-style-type: none"> <li>• TAG-8000-P-WDS T8p Wi-Fi Protected Tag, IBSS Mode</li> <li>• TAG-8000-P-IBSS T8p Wi-Fi Protected Tag, IBSS Mode</li> <li>• TAG-8000-P-CCX T8p Wi-Fi Protected Tag, CCX Mode</li> </ul>
<b>Tag Life Time</b>	2 years
<b>Battery Life</b>	Once charged, the tag battery typically lasts two weeks under normal use.
<b>Battery</b>	Contains a Lithium 4.2 V non-replaceable battery. Recharge after each use.
<b>Wi-Fi Data Rate</b>	1 Mbps
<b>Wi-Fi Transmission Interval</b>	10 seconds
<b>Temperature</b>	32°F to 120°F (0°C to 49°C)
<b>Humidity</b>	0-95% RH @ 70°F (21°C), non-condensing
<b>Solid Objects and Liquids</b>	Water and dust resistant - Ingress Protection (IP) 67
<b>Dimensions</b>	Approximately 1.2 x 0.52 x 1.4 in. (29 x 13 x 34 mm)
<b>Weight</b>	Approximately 0.35 oz. (10 g)
<b>Radio</b>	<p>802.11b compliant (2.4 GHz)</p> <p>Low frequency receiver for chokepoint detection (125 kHz)</p> <p>Transmission power: up to +19 dBm (~81mW)</p> <p>Patented clear channel assessment avoids interference with wireless networks</p>
<b>Medical Device Classification</b>	This product is certified for Type BF Applied Parts
<b>Certification</b>	<p>Radio: FCC Part 15, sub-part C class B, sub-part B (US), EN 300-328, EN 300-330, EN 60601 / IEC 6100 (Visit website for updated certification and regional specific information)</p> <p>Safety: CE, cTUVus (EN 60950)</p>



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