Securitas Healthcare

T12sb Staff Badge

DATA SHEET

Market Leading Bi-directional Wi-Fi Badge for Staff solutions

PRODUCT HIGHLIGHTS

- Quick and simple battery replacement
- Leverages standard Wi-Fi infrastructure for low total cost of ownership
- Convenient deployment using Deployment Manager for initial badge setup
- Bi-directional communication for over-the-air updates
- Staff Duress functionality that includes audible and vibration alerts for duress calls, acknowledgment notifications, alarm mode, and support for testing stations
- Supports 802.1x Enterprise security (PEAP-MSCHAPv2) and WPA2-PSK with AES encryption
- Embedded ultrasound receiver able to deliver location reports at room-level accuracy
- Various wearing options using a dedicated cradle and accessories
- Dedicated tool for opening the battery compartment

DESCRIPTION

The T12sb Bi-directional Staff Badge is a component of Securitas Healthcare's suite of enterprise visibility solutions for location-based applications. The battery-powered badge designed for staff duress situations, features a large call button and a quick and convenient battery replacement process, streamlining badge management.

When used with our Staff Protection Solution, the badge empowers staff members to swiftly activate the call button in instances of duress or when assistance is required. The badge provides both audio and vibration feedback when a duress call is initiated. It also notifies the staff member once the duress alert has been acknowledged in MobileView®. For enhanced functionality, an optional Ultrasound version is available, providing location reports at room-level accuracy.

In addition, that badge can be used for other use cases such as Staff Visibility, Nurse Call Cancellation, and Patient Visibility.

Once deployed, the badge uses its bi-directional functionality to receive firmware and configuration updates from MobileView. This removes the need to manually collect, update and re-deploy badges in the field.

The T12sb Staff Badge data is received and processed via standard Wi-Fi access points, keeping infrastructure costs low and installation simple.

T12sb Badge in Staff Cradle

Key Features

QUICK BATTERY REPLACEMENT

The T12sb Badge uses commercially available CR2 batteries that can be easily changed without any unscrewing, just open the badge battery door using a dedicated tool and replace it. After replacement, the battery counter is automatically reset.

LONG BATTERY LIFE

The T12sb Badge battery provides up to 18 months battery life*. The badge can report its battery level which is displayed in MobileView. The T12sb Badge also has a motion sensor to conserve battery life when the badge is not in motion.

*Battery life depends on configuration.

BEACONING AND BI-DIRECTIONAL COMMUNICATION

The T12sb Badge utilizes lightweight beaconing communication and bi- directional Wi-Fi communication with full network association and authentication. This unique combination provides a flexible and scalable solution for advanced applications. The badge can operate with up to four different network SSIDs in a secure or non-secure mode and is able to store up to two network IPs. The badge also supports both static IP configuration and DHCP.

WI-FI AND CYBER SECURITY

The badges support 802.1x Enterprise security networks with a PEAP-MSCHAPv2 protocol and WPA2-PSK with AES encryption. Additionally, they support a HTTPS connection with MobileView Servers using the TLS1.2 protocol. This allows a secure MobileView Server authentication using pre-installed X.509 certificates.

RUGGED PERFORMANCE

The T12sb Badge is waterproof and holds an IP-55 certification.

DURESS INDICATIONS

The T12sb Badge includes a dual-color LED, audio, and vibrate indications for duress and other events/actions. All indications are configurable.

BADGE MANAGEMENT

The badge is easily configured and activated wirelessly via the Deployment Manager application. The badges can then be reprogrammed using Deployment Manager and/ or bi-directional sessions via MobileView.

CALL BUTTON

The badge can be easily activated by pressing its call button. The large call button can be used to trigger events in MobileView, such as staff duress or staff assist events.

ULTRASOUND RECEIVER

T12sb Badge is also available with an embedded ultrasound receiver able to receive signals from ultrasound Exciters. Exciters transmit ultrasound signals, which do not pass through walls, thus helping deliver location reports at room-level accuracy.

T12sb Badge with embedded ultrasound receivers, captures the signals and reports their exact location over the Wi-Fi network.

STAFF CRADLE

A dedicated Staff cradle allows options to wear the Badge using a clip, ID Card hanger reel, and more.

STAFF PROTECTION

The badge uses a fast transmission rate to send a duress call initiated by pressing the badge's large call button and uses audio and vibration indications to signal the call for help. Using bi-directional communication with MobileView, an acknowledgement is quickly sent back indicating help is on the way. Additionally, the badge supports test station testing.

Product Specifications

Model Name	T12sb Staff Badge
Product Types	T12sb Wi-Fi Staff Badge with Call Button SKU: TAG-1200SB-CT-SP T12sb Wi-Fi Ultrasound Staff Badge with Call Button SKU: TAG-1200SB-CUT-SP Staff cradle for T12sb Staff Badge (20 cradles) SKU: TAC-1220
Environmental Specifications	**Operating Temperature Range:** -0°C to +50°C (32°F to +122°F) **Storage Temperature Range:** -40°C to +85°C (-40°F to +185°F) **Humidity:** 0% to 95% RH non-condensing **Ingress Protection Rating:** Passes Securitas Healthcare's internal testing to IP-55
Physical & Mechanical	**Dimensions:** 44mm x 34mm x 20mm (1.7 x 1.3 X 0.78 inch) **Weight:** +/- 33g (1.16oz)
Electrical	**Battery:** 1 x CR2 1000mAh replaceable battery
Audio, Vibrate & Visual Indications	**Audio:** 54dBA@1 meter **Vibrate:** Vibrates **LEDs:** Dual-color LEDs (red & green)
Radio	802.11 b/g compliant (2.4 GHz) BLE 5.0 (2.4GHz) Low frequency receiver for chokepoint detection (125kHz) Ultrasound receiver for room level (40kHz)
Wi-Fi Security Modes	WPA2-PSK (AES) 802.1x Enterprise security (PEAP-MSCHAPv2)
Range	**Outdoor range:** Up to 200m (650 feet) **Indoor range:** Up to 80m (260 feet)
Programmability	Badge configurations using MobileView and Deployment Manager Type, Ultrasound, Transmission interval Staff duress – button clicks, alarm mode duration, Transmission interval during alarm mode Duress and acknowledgment Indications - LED, Audio, Vibrate Wi-Fi Settings for bi-directional communication
Certifications	**Radio, EMC:** FCC Part 15, sub-part C class B, sub-part B EN 300-328, EN 301-489, RSS 210 (Canada) Radio Equipment Directive 2014/53/EU (RED), Radio Equipment Directive S.I.2017/1206 (RED), RoHS 2 Directive 2011/65/EU, RoHS 2 Directive S.I.2012/3032 **Safety:** CE, UKCA, EN62368/UL62368/IEC62368, Japan 201-200209