Securitas Healthcare

T15ms Tag

DATA SHEET

Provides a Wi-Fi based contact, voltage and current Monitoring solution for hospital departments

PRODUCT HIGHLIGHTS

- Advanced Contact, Voltage and Current monitoring
- 2 Large Push Buttons
- Data Logging - Stores a Total of 128,000 Readings
- Programmable Logging Rate
- Wireless Tag Status Reporting
- Visual Indications
- Bi-Directional Communication for Over-the-Air Firmware and Configuration Updates
- Supports 802.1x Enterprise security (PEAP-MSCHAPv2) and WPA2-PSK with AES encryption
- BLE Communication for Tag Configuration
- Off-Line Monitoring During Network Failures
- Flexible Mounting Options
- Battery and External Power Options
- Long Battery Life Using Off-the-Shelf Replaceable Batteries

DESCRIPTION

The T15ms Tag adds advanced sensor monitoring capabilities to Securitas Healthcare's market-leading family of Wi-Fi tags. The T15ms Tag with the Environmental Monitoring solution provides around-the-clock monitoring and real-time alerts.

The battery-powered tag supports any standard normally closed (NC) or normally open (NO) contact sensor, and any custom sensor with a voltage range of 0-10v and /or current range from 4-20mA. This allows the tag to be connected to a variety of contacts, sensors, and detectors, such as door and window magnetic contact sensors, motion sensors, and flood detectors, as well as sensors used for voltage, current, and pressure monitoring and logging.

Additionally, the tag allows for workflow optimization and support for duress calls with other MobileView solutions such as Staff Visibility.

Key Features

ADVANCED SENSOR MONITORING

T15ms Tags can connect to any contact, voltage, or current sensor where sensor monitoring and logging are required. The tag supports any normally open or normally closed contact sensor and any voltage sensor with a range of 0-10v and/or current sensor with a range of 4-20mA.

2 LARGE PUSH BUTTONS

The tag's two large push buttons can be configured to send events, such as Duress calls, Room status, etc to MobileView using Short and/or Long presses. The buttons are also used for tag activation, forced Bidirectional sessions, and BLE sessions.

VISUAL INDICATIONS

T15ms Tags include 3 LEDs for status indications, such as tag activation, alerts, and low battery.

WI-FI & CYBER SECURITY

The tag supports 802.1x Enterprise security networks with a PEAP-MSCHAPv2 protocol. Additionally, they support an HTTPS connection with MobileView Servers using the TLS1.2 protocol. This allows a MobileView Server authentication using pre-installed X.509 certificates.

BLUETOOTH LOW ENERGY (BLE) COMMUNICATION

T15ms Tags use BLE technology to communicate with the Deployment Manager (DM) app for device configuration and setup.

BEACONING AND BIDIRECTIONAL (BD) COMMUNICATION

The tags utilize lightweight beaconing communication (for standard messages) and Bidirectional Wi-Fi communication with full network association and authentication. This unique combination provides a flexible and scalable solution for advanced applications. The tags can operate with one network SSID in a secure or non-secure mode and can store up to two application server connections. The T15ms Tags also support both static IP configuration and DHCP.

BATTERY AND EXTERNAL POWER OPTIONS

The tags are powered by 2 AA batteries, which is the recommended power source, and an optional power adapter that can be used to save battery life. Battery levels are constantly monitored by the device and MobileView. The tag will use external power whenever available (batteries are recommended as a backup if external power is used).

PROGRAMMABLE LOGGING INTERVAL

Logging intervals can be programmed to 1, 5 or, 15-minute intervals using pre-configured static configurations.

STORES UP TO 128,000 RECORDS

The T15ms Tag's onboard memory can store a total of 128,000 readings. Additionally, stored data is also sent to MobileView (if the tag is configured to sync with MobileView).

OFF-LINE MONITORING

The T15ms Tag can store data during times of network connectivity failures. Recorded data is then automatically synchronized with MobileView within 24 hours after normal network connectivity has resumed, or immediately by performing a manual sync from the tag. Off-line data is viewed via MobileView Reports.

FLEXIBLE MOUNTING OPTIONS

The tag is supplied with a cradle that can be easily mounted to assets using either double-sided tape or screws.

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Product Specifications

Models	SKU: TAG-1500-MS	Bidirectional Wi-Fi Tag for measurements from sensors.
	SKU: TAG-1510-MS	Bidirectional Wi-Fi Tag for use of static call buttons.
Environmental Specifications	**Operating Temperature Range:** 0°C to 50°C (32°F to 122°F) **Tag Storage Temperature Range:** -20°C to 60°C (-4°F to 140°F) **Humidity:** 0% to 95% RH non-condensing **Ingress Protection Rating:** IP-52	
Tag Memory	64 Mbit Flash memory - Able to store up to 128,000 readings	
Physical & Mechanical	**Dimensions LWH:** 114 x 77 x 20.3mm (4.4 x 3 x 0.8inch) **Weight:** 150g (5.3oz) with batteries	
Connectors	3 x USB-C connector	
Sensor Inputs	**Voltage:** 0-10V **Current:** 4-20mA **Contact Sensor:** Single normally open (NO) or normally closed (NC) contact	
Measurement Accuracy	**Voltage Input:** +-0.01V **Current Input:** +-0.05mA	
Electrical	**Battery:** 2 x AA Alkaline replaceable batteries **External Power (USB-C Interface):** 5V/1A Adapter (Optional) _NOTE:_ The power supply is proprietary and must be purchased from Securitas Healthcare.	
Visual Indications	**LEDs:** 3 dual-color LEDs	
Radio	**Transmission power:** up to +19dBm (~81mW) Patented clear channel sensing avoids interference with wireless networks	
Range	**Outdoor Range:** Up to 200m (650 feet) **Indoor Range:** Up to 80m (260 feet)	
Communication	**BLE (Bluetooth Low Energy):** BLE 5.0 [2.402 GHz — 2.480 GHz (2.4GHz bands)] **Wi-Fi:** 802.11 radio (2.4 GHz); b/g/n compliant	
Range	**Outdoor range:** Up to 200m (650 feet) **Indoor range:** Up to 80m (260 feet)	
Wi-Fi Security Mode	Open, non-encrypted, WPA2-PSK(AES), 802.1x Enterprise security (PEAP-MSCHAPv2)	
Logging Rates	1 minute, 5 minutes, 15 minutes	
Certifications	**Radio, EMC:** FCC Part 15 Subpart C, Subpart B, RSS-247, EN 300-328, EN 301-489, 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 201-200712	