

Data Sheet:

T12 Asset Tag

Adds Bi-directional Communication to Market
Leading Wi-Fi Tags

Product Description

The T12 Bi-directional Asset Tag is a component of STANLEY Healthcare's suite of enterprise visibility solutions for location-based applications. The T12 Tag adds further flexibility and scalability to track assets across a wide variety of applications.

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

The battery-powered T12 Tag can be attached to a variety of medical equipment such as infusion pumps, defibrillators and portable X-Ray equipment. Assets are accurately tracked in real-time, facilitating inventory control, rental management, and efficient preventive maintenance.

In addition, the T12 Tag can be used for egress point detection, call-button alerting, and more.

The T12 Tag data is received and processed via standard Wi-Fi access points, keeping infrastructure costs low and installation simple. As with all tags, location is determined through a unique beaconing method that keeps network impact low, and ensures scalability and long battery life.

Key Features

Beaconing and Bi-directional Communication

The T12 Tag utilizes lightweight

beaconing communication (for standard messages) and bi-directional Wi-Fi communication with full network association and authentication (for advanced applications). This unique combination provides a flexible and scalable solution for advanced applications. The tag 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 tag also supports both static IP configuration and DHCP.

Ultrasound Receiver (optional)

The T12 Tag 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. The T12 Tags with embedded ultrasound receivers, capture the signals and report their exact location over the Wi-Fi network.

Tamper-Proofing

The T12 Tag includes an advanced tamper-proofing mechanism for security and theft prevention, which triggers an immediate alert if removed or tampered with in anyway.

Long Battery Life

The T12 Tag has a user replaceable battery that provides up to 3 years battery life*. The tag is able to report its battery level which is displayed in MobileView. The T12 Tag also has a motion sensor to conserve battery life when the tag is not in motion.

*Battery life depends on tag type and configuration.



Product Highlights

- Leverages standard Wi-Fi infrastructure for low total cost of ownership and ease of deployment
- Bi-directional communication for over-the-air updates
- Broad functionality, including motion sensing, egress point detection and an optional call button
- Optional embedded ultrasound receiver able to deliver location reports at room-level accuracy
- Tamper switch
- Various mounting options
- Rugged performance

Egress Point Detection

When combined with STANLEY Healthcare Exciters, the T12 Tag provides instant notification when a tagged asset passes through an egress point, such as a gate, doorway or other tightly defined area. Additionally the tag's behavior can be automatically modified while passing through an egress point, such as activating/deactivating the tag, or changing the tag's transmission rates to accommodate different usage scenarios.

Rugged Performance

The T12 Tag passes STANLEY internal testing to IP-67, preventing dust ingress and withstanding water immersion up to 1 meter (3 feet).

Visual Indication

The T12 Tags include a dual-color LED which enables distinct visual indications for specific use cases.

Tag Management

T12 Tags are easily configured and activated wirelessly using the Tag Manager BD application and a Tag Activator device, which are part of the Hardware Manager Kit. The tags can then be reprogrammed using bi-directional communication via MobileView.

Call Button (optional)

The tags can include a call button that can trigger an event in MobileView, such as emergency alerting or par level events. MobileView events can be defined according to specific button press patterns, such as long press, short press and double press.

Flexible Mounting and Usage Options

A wide variety of mounting options are available for the T12 Tags, such as cradles, mini-cradles, adhesives, and tie-wraps. An optional cradle allows indirect mounting of the tags on a wide variety of assets and in various environments.



T12 Mounting Cradle



T12 mounted on a pole



T12 with Mini Cradle

Product Specifications		
Part Numbers	SKU: TAG-1200-T	Basic model includes Tamper
	SKU: TAG-1200-UT	Includes Ultrasound Receiver and Tamper
	SKU: TAG-1200-CT	Includes Call Button and Tamper
	SKU: TAG-1200-CUT	Includes Call Button, Ultrasound Receiver and Tamper
Range	Outdoor range: Up to 200m (650 feet) Indoor range: Up to 80m (260 feet)	
Physical and Mechanical	Dimensions: 50mm x 45mm x 22mm (1.96in x 1.8in x 0.86in) Weight: 44g (1.55oz)	
Radio	802.11 b/g/n compliant (2.4GHz) Low frequency receiver for chokepoint detection (125kHz) Transmission power: Up to +19dBm (~81mW) Patented clear channel sensing avoids interference with wireless networks	
Security Protocol	WPA2 security with AES encryption	
Ultrasound Receiver (Optional)	Frequency 40kHz	
Programmability	Tag configurations* Transmission channels IP Settings *After initial setup, configuration changes are done over-the-air via MobileView.	
Environmental	Temperature: -25°C to +60°C (-13°F to +140°F) Humidity: 0 to 95% RH non-condensing Ingress Protection Rating: Passes STANLEY internal testing to IP-67	
Electrical	3.0V Lithium manganese dioxide battery* (replaceable) Battery life: Up to 3 years, depending on tag type and configuration. *Use only approved batteries. See the T12 Asset Tag User Guide.	
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) EN 60601-1-Rev3	

Accessories	
T12 Tag plastic housing with Ultrasound receiver, Call Button and Tamper (20 pack)	SKU: TGH-1200-CUT
T12 Cradle (50 pack)	SKU: TAC-120
T12 Mini Cradle incl. Screw Kit (50 pack)	SKU: TAC-121
Velcro Attachment Kit (50 pairs per pack)	SKU: TAC-030
Adhesive Tape Patches (50 pack)	SKU: TAC-031
Adhesive Tape Patches with tamper hole (50 pack)	SKU: TAC-032
Tie Wraps 2" (100 pack)	SKU: TAC-060
Tie Wraps 5" (100 pack)	SKU: TAC-061
T12 Mini Cradle Screw Kit	SKU: TAC-065
T12 Cradle Screw Kit	SKU: TAC-122
Short Tamper Switches (100 pack)	SKU: TAC-341
Long Tamper Switches (100 pack)	SKU: TAC-340
T12 Tag Batteries (25 pack)	SKU: TAC-437
Hardware Manager Kit for the configuration of Tags and Exciters	SKU: HWM-1000
Bi-directional Tags Firmware Versions download	KB Article 7606

About STANLEY Healthcare

STANLEY Healthcare provides over 5,000 acute care hospitals and 12,000 long-term care organizations with enterprise solutions that transform safety, security and operational efficiency. The STANLEY Healthcare solution set enables customers to achieve organizational excellence and superior care in five critical areas: Security & Protection, Safety, Environmental Monitoring, Clinical Operations & Workflow and Supply Chain & Asset Management. These solutions are complemented by consulting, training, implementation and integration services. STANLEY Healthcare is proud to be part of Stanley Black & Decker, Inc. For more information, visit www.stanleyhealthcare.com.