



CENTRAK STAFF BADGE – IT-743 (FCC*)

- DualTrak™ Technology for room and bed level accuracy
- Three customizable buttons
- System controlled LED
- Ultra thin (only 3 mm thin) and light weight
- Shape and size of a standard hospital issued badge
- Hole mounts for portrait or landscape to wear behind a standard badge
- Water resistant and easy to clean
- Long battery life

**See Technical Specs on back for other frequency ranges*

Today's hospitals have a critical need to locate personnel throughout their facilities. They require a reliable RTLS to optimize patient care and provide alerting capabilities to ensure the safety of its personnel. CenTrak's IT-743 staff badge was developed to meet this need. It was designed using feedback from hospital personnel and includes several unique features that improve upon legacy staff locating technology.

The CenTrak Staff Badge, or IT-743 Tag, can be mounted onto the loop used to hold a standard hospital issued employee badge. The Staff Badge is designed to stay with the caregiver, thus eliminating the need for separate processes that require daily tagging of personnel. The Staff Badge is water resistant and can be easily cleaned. Each Staff Badge has three customizable buttons that can be assigned based upon the RTLS use case.

About CenTrak DualTrak™ Technology

CenTrak's core RTLS differs from legacy technologies in its combined use of a patented combination of second-generation infrared (Gen2IR™) and active RFID technology called DualTrak. Battery powered Monitors transmit a unique room number using Gen2IR which is received by any tag in that room. The tag communicates the room number and its own unique ID via RF to the CenTrak Location Server using a hospital's existing wired or Wi-Fi network, where it can be accessed in real-time by hospital personnel and integrated with third party solution providers.

Like light, Gen2IR will not pass through walls and does not suffer from traditional infrared line-of-sight limitations. Therefore, when a tag reads a room number, there are no errors. This is certainty-based RTLS. Unlike estimation-based information, certainty-based location data can be used by hospitals to make important improvements to process flow and automate decision making. Most healthcare workflow improvements can only be realized when the location data is certainty-based.

Caution: Any changes or modifications not expressly approved by the party responsible for product compliance could void the user's authority to operate the equipment.

CenTrak, Inc.
207 Penns Trail
Newtown, PA 18940
t: 215-860-2928
e: sales@centrak.com
www.centrak.com



CENTRAK STAFF BADGE IT-743 (FCC*) TECHNICAL SPECIFICATIONS



Operation	
FCC Operating Frequency Range	902-928 MHz Model #IT-740*
CE Operating Frequency Range	868-870 MHz Model #ITEU-740
Group code & tag ID codes	4M codes
Typical transmission range	> 300 feet
Field strength	2 uW (Average)
Smart Tag features	3 buttons, LED, low battery
Motion Sensor	YES

Mounting / Attachment Options	
Loop (portrait or landscape)	Fits standard employment badge mounting
Lanyard (retractable)	(optional)

Tag Dimensions	
Case length	3.40 in (86 mm)
Case height	2.125in (55 mm)
Case width	0.125 in (3 mm)
Case weight	(with battery) 1.10 oz (34.02 g)
Construction	ABS & Poly Carbonate mixture

Environmental	
Operating temperature	-20 C to +70 C
Storage temperature	-25 C to +80 C
Sealing	Splash resistant

Power	
Battery type	Lithium CR2325x2 replaceable pack
Smart tag feature	Low battery indication

Cleaning	
Tag cleaning method	Wipe Cleaning Method Only. See CenTrak Tag Disinfection Guide for Instructions

Warning: Must use CenTrak Disinfection procedure. Other methods may void product warranty.

WARNING: This guide is in draft form and can be changed without notice at any time by CenTrak. Please contact CenTrak prior to commercial use to receive all the necessary latest information about the system.

This component complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) The device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation. Modifying or tampering with the transmitter's or receiver's internal components can cause a malfunction, invalidate the warranty, and will void FCC authorization to use these products. This product or its systems are covered by one or more of the following U.S. patents: 5,917,425 , 7,061,428 , 7,378,964

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