



ITK-103C Star

## ITK-103C Star

A *smarter* approach to RTLS. CenTrak's ITK-103C interprets and reports the radio frequency messages emitted by CenTrak's tags.

- Enables Clinical-Grade Locating™
- Bi-directional communication to CenTrak components
- Small footprint and flexible mounting options
- Power Over Ethernet or dedicated power supply available
- High throughput performance supports large tag populations
- Supports up to 6 parallel systems in the same facility
- Ethernet interface

Stars are CenTrak's dedicated RF network access points that receive CenTrak tag ID and location transmissions and communicate it to the network. Stars have 2-way communication with CenTrak components for supervision and over-the-air configuration.

Stars are compatible with Ethernet and TCP/IP protocol and use browser based protocol for communication. With a modular design, the Stars provide an economical solution to a wide variety of asset and personnel tracking problems. Tag transmissions can be processed in real-time to quickly locate and identify tagged assets or personnel in defined areas.

The Star allows for very high tag densities. Large populations of tags can be monitored using a single Star.





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# **Technical Specifications**

### **Operation**

FCC Operating Frequency Range	902-928 MHz(Model #ITK-103C)
CE Operating Frequency Range	868-870 MHz (Model #ITEU-103C)
Ethernet	10/100 MBPS Ethernet
Protocol	TCP/IP
Tag Density	Up to 1,000 Tags per Star

#### **Read Range**

Monopole Antenna Diversity System	Up to 300 feet (91.4m)
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#### **Enclosure**

Case width	4.5 in(114.3 mm)
Case height	1.25 in (31.7 mm)
Case length	4.0 in (101.6mm)
Case weight	8 oz (226.8 g)
Construction	ABS Plastic

#### **Environmental**

Operating Temperature	-10 C to +50 C
Storage temperature	-40 C to +80 C
Operating Humidity	10% to 90% non-condensing

#### Power

POE	Standard
External Power Supply	3.3 volts 350 mA
Power Consumption	1 W

CenTrak, Inc. 125 Pheasant Run Newtown, PA 18940 t: 215-860-2928 e: sales@centrak.com www.centrak.com 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 transceiver'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, 7,619,532.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.