ITK-103C Star

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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)

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

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