

IT-104 Clear Router



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- Central component of the CenTrak Wireless Mesh Network
- Manages and Secures Mesh Network
- Designed to be PoE-connected and centrally located
- Easy installation
- Can be placed in waterproof container for outdoor use

Senior Living Communities have a critical need for the wireless monitoring of residents to ensure safety and improve workflow. The IT-104 Clear Router creates, secures, and manages the Clear Network. With easy installation and automatic management, the IT-104 takes full simple control of the total campus network.

The Clear Network is a Long Range Network to support True Locator and CenTrak Geo, IT-726E. This enables senior care communities to make decisions based on facts about where and when residents and staff are located.

The IT-104 is externally powered by a power outlet or PoE (Power over Ethernet) and connects to the CenTrak Social Platform. The 900MHz system provides long-range network coverage across an entire senior care community campus.



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Technical Specifications

Operation

FCC Operating Range (Americas)	902-928 MHz
CE Operating Range (Europe, Middle East)	868-870 MHz
FCC Operating Range (Australia/NZ)	920-926 MHz
Read Range – to repeaters	up to 2000'
Tag Density	

Dimensions

Case Length	5.35 in (136 mm)
Case Height (thickness)	1.4 in (36mm)
Case Width	5.5 in (139 mm)
Case Weight (with battery)	10.82 oz (306.7 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
Plenum Rating	

Power

External Power Supply	100 – 240VAC
Power Consumption	5VDC 500mA