

IT-105 Clear Repeater



IT-105 Clear Repeater

- Extends CenTrak Wireless Network
- Auto-enrolls into Mesh Network
- Designed to be installed throughout Senior Communities
- Creates a long-range 900 MHz Mesh Network for total Community Coverage
- Easy installation with standard 120VAC plug in
- No cable or Ethernet required
- Can be placed in waterproof container for outdoor use
- Integrated backup battery inside

Senior Living Communities have a critical need for the wireless monitoring of residents to ensure safety and improve workflow. The IT-105 Clear Repeater is securely associated with a community of residents via CenTrak Geo, IT-726E, to help empower communities with a feeling of control while maintaining safety and security of staff and residents.

The IT-105 utilizes our custom mesh network to extend wireless coverage throughout the campus, including outdoor walking paths, parking lots, and indoor areas such as stairwells. Emergencies can happen anywhere, and the IT-105 easily extends coverage without requiring constant management and attention that Wi-Fi networks require. Furthermore, the IT-105 has built in battery backup that provides the Clear Network with 24 hours of operation during power outages.



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Technical Specifications

Operation

FCC Operating Frequency (Americas)	902-928 MHz
CE Operating Range (Europe, Middle East)	868-870 MHz
FCC Operating Range (Australia/NZ)	920-926 MHz
Range	1500' open range

Network Operation

Power over Ethernet (POE)	No
Ethernet	No

Dimensions

Case Length	1.9 in (48.2 mm)
Case Height (thickness)	0.5 in (12.3 mm)
Case Width	1.7 in (42.2 mm)
Case Weight (with battery)	0.3 oz (18 g)
Construction	ABS Plastic

Environmental/Cleaning

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

Power

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