

# i450 Handheld Radio

## Features & Specifications

**NEXTEL**®



### Applications

For ultra long range or management communications such as transportation and logistics, assisted living, public safety, highway rescue, emergency command, event and sport organizer, road trips, group recreation e.g car & bike convoy...etc.

### Background Introduction

ROIP (Radio over Internet Protocol) technology, is similar to VoIP, but augments two-way radio communications rather than telephone calls. From the system point of view, it is essentially VoIP with PTT (Push To Talk). To the user it can be implemented like any other radio network. RoIP can be deployed over private networks as well as the public Internet. It is useful in land mobile radio systems used by public safety departments and fleets of utilities spread over a broad geographic area. RoIP technology is usually using for three factors: first, the need to span large geographic areas; second, the desire to provide more reliable, or at least more repairable links in radio systems; and third, to support the use of many base station users, that is, voice communications from stationary users rather than mobile or handheld radios.

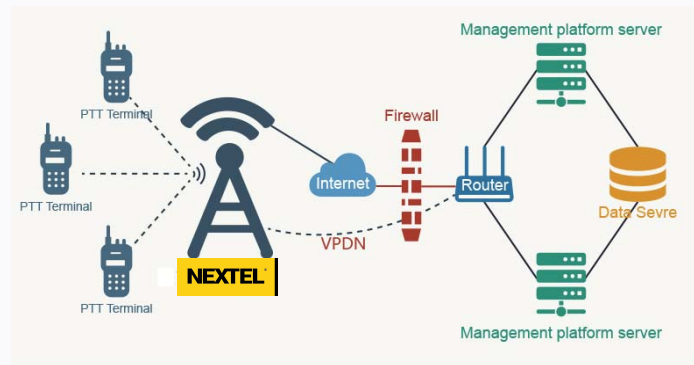


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### Network Topology



### Main Features

- IP55 rating dust and splash protection
- Robust, rugged and heavy-duty design
- Crisp, clear and high quality sound
- Dot Matrix Hi Density LCD Display
- GSM 900/1800MHz, WCDMA 900/2100MHz
- Voice annunciator
- Text Messaging
- Group call & private call
- Call logs
- Contact List
- Time-out timer
- GPS feature

### Specifications

Frequency Range	GSM: 900/1800MHz WCDMA: 900/2100MHz
Public Network System	GSM/WCDMA
RF Connectors	1 x Mini-SMA (RF&GPS)
Power Voltage Range	7.4VDC $\pm$ 20%
Temperature Range	-20 ~ +60 $^{\circ}$ C
Weights	250g
Dimensions (H x W x D)	134x57x35mm

Note: specifications are subject to change, in the interest of technical improvement, without notice or obligation.

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