



Hand-Held Narrowband Mesh Radio

-  Flexible and Reliable Ad Hoc Networking
-  Handheld SFR Dual Modes
-  Enhanced Communication Efficiency
-  Positioning Support

The series narrow band radio adopts new generation technology, can realize radio automatic networking without center. Within the network, the quantity of the terminals is 1024 nodes, the system support maximum 8 hops without reducing the voice quality, the communication range can be up to 40km. The series radios can be used in any emergency, fast deployment scenario and enhance the communication quality in different scenario



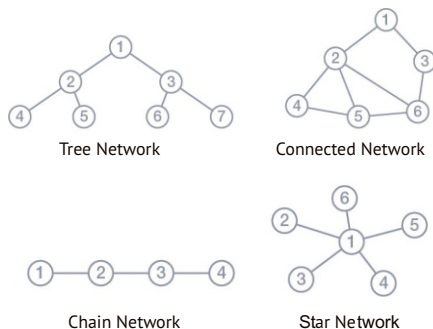
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Flexible and Reliable Ad Hoc Networking

Without dedicated repeaters, this radio can speedily establish a portable Ad Hoc network, which is self-adapting and dynamically workable with as many nodes as it may need. It supports versatile network topologies.



Handheld SFR Dual Modes

This device functions as a single frequency repeater, allocating one timeslot to receive and the other to transmit at same frequency.



Enhanced Communication Efficiency

Incorporating ground-breaking full-duplex technology to allow simultaneous two-way voice calls, it facilitates crucial information exchange and makes sure the voice call gets through even in peak traffic.

Positioning Support (Optional)

With better accuracy and precision, built-in GPS and wireless modules enable the commander to locate and track team members, which contributes a lot to personnel management and dispatching.

TECHNICAL DATA

Network Scale	: 1024 terminals
Frequency	: 350-390 Mhz /400-450Mhz
Transmission Power	: 2W
Network Mode	: Mesh
Communication Distance	: Max 8 hops without reducing quality, each hop up to 5-8km, total up to 40-64km
Communication Mode	: Mesh
Encryption	: AES256
Voice communication	: PTT
GPS Mode	: Support
Battery Voltage	: 7.4V
Working time	: 24hrs (5% TX, 5% RX) 48hrs standby
Dimension	: 125x54x35mm (without antenna)
Weight	: 320g
Working temperature	: -40~ +75°C
Protection	: IP67
Standard	: MIL-STD-810C/D/E/F/G

