

50~70km Range Dual-Band UHF/VHF Co-Frequency Relay PDT/DMR Mode Base Station Transceiver for Emergencies

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet4371D
- Minimum Order Quantity: 1
- Price: USD 2999 per piece
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year



Product Specification

- Battery Capacity: 16.5A
- Range: 50-70km
- IP Rating: IP67
- Battery Life: 21.4 Hours
- Specification: 277*218*76mm
- Working Temp.: -30°C~+70°C
- Working Band: UHF/VHF
- Technology: PDT/DMR



More Images




Product Description

50~70km Dual-Band UHF/VHF Co-Frequency Relay PDT/DMR Mode Base Station Transceiver for Emergencies

Product Description

Our Product

The ZKManet4371D is a MESH narrowband portable base station specially designed to deal with emergencies and realize rapid deployment. The whole device is designed with all-cast aluminum structure according to the quality requirements of standard, which meets the requirements of IP67 dustproof and waterproof, and can adapt to various harsh working field environments and meet the needs of high-strength communication. The device supports the piggyback fast deployment method, supports the self-organized network co-frequency relay, and adaptively adjusts the transmit power according to different configurations.

Features

- 1 Flexible digital mode and analog mode switching
- 2 PDT/DMR multiple working modes
- 3 Supports up to 8 hops & 32 nodes
- 4 Easy channel configuration
- 5 Supports dual-band co-frequency relay
- 6 Supports 5 types of encryption (XOR, Enhanced XOR, ARC4, AES256, Dynamic)
- 7 Supports GPS/BBD satellite positioning

Product Parameters

Working Band	VHF:136-174MHz UHF:400-480MHz UHF2:450-520MHz UHF3:350-400MHz
Channel Quantity	3773
Area	Level 1 area: 4 Level 2 area: 1000 Level 3 area: 1000
Channel Step	12.5KHz/25KHz
Working Voltage	10.8~12.6V
Battery Capacity	16.5A
Battery Life (5/5/90)	21.4 Hours
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Dimensions	302(L)*218(W)*76(H)mm
Weight	≤5KG (w/ Battery)
Transmission Range	50-70km (w/ Tower)
Network Capacity	Up to 8 hops and 32 nodes
Output Power	3-137dBm
4FSK Modulation	12.5kHz data only: 7K60FXD 12.5kHz data and voice: 7K60FXE
FM Modulation	12.5 kHz:8K50F3E 25 kHz:16K0F3E
Modulation Limit	±2.5kHz@12.5kHz ±5.0kHz@25kHz
Emission Spurs	-36dBm<1ghz -30dbm="">1GHz
Adjacent Channel Power	≤-60dB
Sensitivity	3%BER≤0.35μV
Intermodulation	60 dB
Adjacent Channel Selectivity	60 dB
Spurious Suppression	70 dB
Block	90 dB
Conducted Radiation	-57dBm
GPS Positioning Accuracy	Horizontal≤10m (Good signal conditions)
TTFF (First Fix) Cold Start	<1 minute (Good signal conditions)
TTFF (First Fix) Hot Start	<10 seconds (Good signal conditions)
Working Temp.	-30°C~+70°C
Storage Temp.	-40°C~+85°C
Moisture Proof	MIL-STD-810C/D/E/F
Shock and Vibration Proof	MIL-STD-810C/D/E/F
IP Rating	IP67

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005. We focus on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. With excellent quality and advanced technology, we provide comprehensive network communication solutions to our customers.

Our chief scientist team, led by professors from the Network Security Institute of Wuhan University, has achieved remarkable

results in the development of man-in-the-middle platforms for network security. The company currently offers platforms such as a drone denial system platform, long-distance wireless video transmission platform for drones, network encrypted data analysis platform, IPSEC man-in-the-middle platform, and SSH man-in-the-middle analysis platform.

Our Patents

Long Range Narrow Band Portable Base Station Transceiver

Test Equipments

Long Range Narrow Band Portable Base Station Transceiver

Long Range Narrow Band Portable Base Station Transceiver

Our Advantages

Long Range Narrow Band Portable Base Station Transceiver

Long Range Narrow Band Portable Base Station Transceiver

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