

50-70km 137dBm UHF/VHF Narrowband Mesh Network Battlefield Transceiver

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet4271
- Minimum Order Quantity: 1 piece
- Price: USD 4499~6499 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year




Product Specification

- Working Band: UHF:400-480MHz VHF:136-174MHz
- Channel Quantity: 3773 Each For UHF And VHF
- Channel Step: 12.5KHz
- Working Voltage: Vehicle-borne: AC220V/DC 13.8V(± 15%)
Backpack: DC 10.8-12.6V
- Working Current: <7A
- Battery Capacity: 16.5Ah
- Frequency Stability: ±0.5ppm
- Antenna Impedance: 50Ohm
- Range: 50~70km
- Power: 137dBm Customizable
- Highlight: **data link system for uav, uav data link, uav satellite data link**




More Images






Product Description

50-70km 137dBm Narrowband Mesh Network Battlefield Transceiver

Product Description

The ZKManet4271 is specially designed for rapid deployment on the scene of public security, armed police, army, civil air defense, emergency response office, government public security and other departments. It adopts durable IP67 standard suits various harsh conditions such as outdoor erection and vehicle carrying. The whole device is made of cast aluminum body, which is good for heat dissipation and can adapt to almost 100% working environment. The portable design is suitable for vehicle or backpack use. It can be used with ZKManet4371D narrowband portable base station, and can also be used independently. The unique relay function design can achieve the purpose of hierarchical networking, hierarchical command, and extending communication distance.

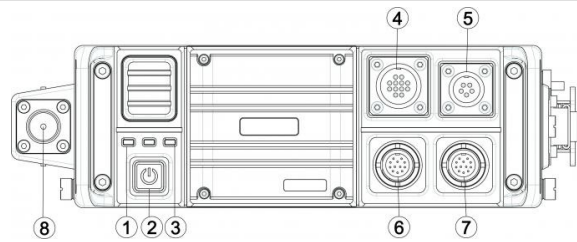
Features

- Flexible digital mode and analog mode switching
- PDT/DMR multiple working modes
- Supports up to 8 hops & 32 nodes
- Easy channel configuration
- Supports dual-band co-frequency relay
- Supports 5 types of encryption
- Supports GPS/Beidou satellite positioning

Product Parameters

Working Band	UHF:400-480MHz VHF:136-174MHz
Channel Quantity	3773 each for UHF and VHF
Channel Step	12.5KHz
Working Voltage	Vehicle-borne: AC220V/DC 13.8V(± 15%) Backpack: DC 10.8-12.6V
Working Current	<7A
Battery Capacity	16.5Ah
Frequency Stability	±0.5ppm
Antenna Impedance	50Ohm
Dimensions	277×76×342mm
Weight	≤6.3KG (w/ Battery)
Transmission Range	50-70km (w/ Tower)
Network Capacity	Up to 8 hops and 32 nodes
Output Power	Vehicle-borne: 237dBm Backpack: 137dBm
4FSK Modulation	12.5kHz data only: 7K60FXD 12.5kHz data and voice: 7K60FXE
Adjacent Channel Power	≥60dB
Spurious Emission	-36dBm<1ghz-30dbm>1GHz
Digital Speech Coder	AMBE
Sensitivity	3%BER≤0.35μV
Intermodulation	≥70dB
Adjacent Channel Selectivity	≥60 dB
Spurious Suppression	≥70 dB
Block	≥90 db
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
Dustproof & Waterproof	IP67

Detailed Photos



Battery Level Button
Fuse
Butterfly Buckle
Battery Charging Interface

LED Indicator
Power Button
Network Indicator
ACC Accessory Interface
LAN Interface
Microphone Interface 1
Microphone Interface 2
Antenna Interface

Vehicle or Backpack Use Narrowband Portable Base Station Me

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005, focusing on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. We leverage the technical expertise of renowned university network security institutes.

Adhering to the principles of "unity and dedication, technological innovation, and service innovation," we serve users both domestically and internationally. We uphold the tenet of "quality first, reputation first" to provide high-quality, efficient, and customized services to our clients worldwide. The company is committed to promoting an innovative spirit of "exploration and progress."

Our Patents

Vehicle or Backpack Use Narrowband Portable Base Station Mesh Radio

Test Equipments

Vehicle or Backpack Use Narrowband Portable Base Station Mesh Radio Vehicle or Backpack Use Narrowband Portable Base Station Mesh Radio

Our Advantages

Vehicle or Backpack Use Narrowband Portable Base Station Mesh Radio Vehicle or Backpack Use Narrowband Portable Base Station Mesh Radio

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