ZKMANET4271 Long Distance Manpack HDMI WIFI IP Mesh Radio For Emergency Video transmission

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKMANET4271
- Minimum Order Quantity: 1 piece
- Price: USD999/pc
- Packaging Details: carton
- Delivery Time: 137dBmork days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 10000pcs/ year

Product Specification

- Default Frequencies: 400-480MHz
- Channel Bandwidth: 5M/10M/20MHz/40MHz,20MHz
- RF Channel: 4T4R
- Output Power: 10-43dBm
- WIFI: 2.4GHz
- Data Rate: Up To 82Mbps
- Network Capability: 9nodes(Customizable)
- Encryption: AES
- Data Rate: 82Mbps
- Range: 50-70KM
- Network: 4G/5G
- Dimension: 30.2*21.8*7.6cm
- Weight: 8.35kg
- Power Supply: 24V
- Battery Capacity: 16.5Ah

More Images

Product Description

ZKMANET4271 Long Distance Manpack HDMI WIFI IP Mesh Radio For Emergency Video transmission

Product Description

The ZKManet4271 is a MESH narrowband portable base station specially designed to deal with emergencies and realize rapid
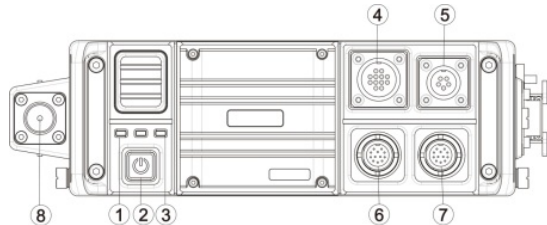
Our Pro

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.
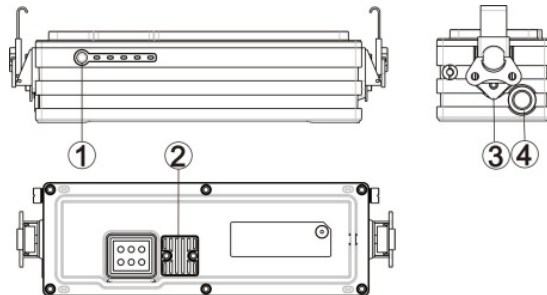
Features

◆ Flexible digital mode and analog mode switching
◆ PDT/DMR multiple working modes
◆ Supports up to 8 hops & 32 nodes
◆ Easy channel configuration
◆ Supports 5 types of encryption (XOR, Enhanced XOR, ARC4, AES256, Dynamic)
◆ Adaptive power output
◆ Supports GPS/BD satellite positioning

Panel Description

1. LED Indicator
2. Power Button
3. Network Indicator
4. ACC Accessory Interface
5. LAN Interface
6. Microphone Interface 1
7. Microphone Interface 2
8. Antenna Interface

1. Battery Level Button
2. Fuse
3. Butterfly Buckle
4. Battery Charging Interface

Topology Diagram

* Star Type

4G-LTE Ptt Manpack IP/HDMI Mesh Radio	

* Mesh Type

4G-LTE Ptt Manpack IP/HDMI Mesh Radio	

* Random Type

4G-LTE Ptt Manpack IP/HDMI Mesh Radio	

Application Scenario

Product Parameters

Item	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	16.5Ah
Battery Life (5/5/90)	21.4 Hours
Frequency Stability	±0.5ppm
Antenna Impedance	50Ohm
Transmission Range	50-70km (w/ Tower)
Network Capacity	Up to 8 hops and 32 nodes
Output Power	137dBm (Manpack) / 237dBm (Vehicle-borne)
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℃—+70℃
Storage Temp.	-40℃—+85℃
Moisture Proof	MIL-STD-810C/D/E/F
Shock and Vibration Proof	MIL-STD-810C/D/E/F
Dustproof & Waterproof	IP67
Dimensions	302*218*76mm
Weight	≤5KG (w/ Battery)

Company Profile

Zhongke Lianxun (Shenzhen) Co.,Ltd has multiple patents with independent intellectual property rights, has established a sound quality system and national standard system that comply with ISO9001 standards, and strictly produces products in accordance with national standards and internationally recognized standards such as CCC, CE, FCC, etc. It has obtained the Radio Transmission Equipment Model Approval Certificate issued by the Ministry of Industry and Information Technology of China and has passed the wireless product testing certification of the Ministry of Public Security.

Our Patents

4G-LTE Ptt Manpack IP/HDMI Mesh Radio

Test Equipments

4G-LTE Ptt Manpack IP/HDMI Mesh Radio | 4G-LTE Ptt Manpack IP/HDMI Mesh Radio

Our Advantages

4G-LTE Ptt Manpack IP/HDMI Mesh Radio | 4G-LTE Ptt Manpack IP/HDMI Mesh Radio