ZKMANET2271UM 40dBm Long Distance Mesh Video Data Transceiver Radio

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2271UM
- 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: 1.4GHz
- Output Power: 4W
- WIFI: 2.4GHz
- Data Rate: Up To 82Mbps
- Network Capacity: 9 Hops And 9nodes(Can Be Customized)
- Range: 10-20KM
- Network: 4G/5G
- IP Rating: IP66
- Application: Mesh Network Communication
- Highlight: **1.4GHz Mesh Video Data Transmitter, AES Encryption Mesh Video Data Transmitter, 40dBm Mesh Video Data Transmitter**

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Product Description

ZKMANET2271UM 40dBm Long Distance Mesh Video Data Transceiver Radio

Product Description

ZKManet2271UM is a high-power MESH self-organizing network radio with an integrated backpack design, providing a more

stable emergency network and longer transmission distance in complex situations. The device comes with a data display screen, showing real-time device status and connection status. It can be worn by a single soldier, used as a relay with a tripod, or installed at fixed points. With a built-in lithium battery for power supply, the product features a sleek appearance, ease of use, powerful functionality, and high reliability.

Features

* Supports two-way intercom
* Full transparent IP data transmission
* Supports 4G (with SIM card slot)
* Supports WIFI connection
* Supports GPS/BD
* Equipped with a display screen to show configuration information and connection status
* Working time ≥4h
* Rugged IP66
* Easy to operation

Quick Deployment
Mesh self-organizing network technology enables rapid mobile deployment, allowing for the establishment of a reliable wireless communication network in a short period of time to meet the timeliness requirements of emergency communications.

Strong Stability
Mesh self-organizing network technology features self-healing capabilities, ensuring that even if some devices fail, the entire network can continue to operate stably, preventing communication interruptions.

High Security
Advanced encryption algorithms and security authentication mechanisms are employed to effectively safeguard the security and confidentiality of communication data, preventing information leakage and malicious attacks.

Specifications

Model	ZKManet2271UM	Brand	ZKMANET
RF Parameters	Frequency	1.4GHz (300MHz-3.8GHz Customizable)	
	Bandwidth	5/10/20/40MHz,20MHz (Typical)	
	RF Channel	2T2R	
	Output Power	20-High Power Customizable	
Network Parameters	Network Size	64 Nodes (128 nodes optional)	
	Data Rate	82Mbps	
	Encryption	AES	
	Public Network	4G/5G	
	WIFI	2.4GHz	
	Range	10-20km (LOS)	
Physical/Environment	Dimensions	320*200*75mm	
	Weight	4.75kg (w/ battery)	
	Working Temp	-40ºC~+65ºC	
	IP Rating	IP66	
Electrical Parameters	Power Supply	16.8V	
	Battery Capacity	13Ah	
	Power Consumption	<80W	
Other	Data Display	Support	
	Intercom	Support	
	Positioning	Support	

Dimensions

High-Power Long Range Wireless Mesh Network Manpack Radio

Panel Description

1. Power push button
2. PTT (Mic)
3. MESH signal indicator

SNR	Link Quality	Topology Color
SNR ≥ 17	Excellent	Deep Green
12 ≤ SNR < 17	Good	Light Green
7 ≤ SNR <12	Fine	Yellow
2 ≤ SNR <7	Medium	Orange
-10 < SNR <2	Bad	Red
SNR = -10	Disconnected	N/A

High-Power Long Range Wireless Mesh Network Manpack Radio

1. LAN interface, RJ45
2. Digital LCD indicator
3. Configuration buttons (optional) - set frequency, band distance parameters.
4. Battery Indicator
5. Battery butterfly clasp
6. MESH antenna interface-2
7. WIFI antenna interface-2
8. 4G antenna interface
9. GPS/BD antenna interface
10. WIFI antenna interface-1
11. MESH antenna interface-1

1. Battery charging port
2. Main body power input port

High-Power Long Range Wireless Mesh Network Manpack Ra

High-Power Long Range Wireless Mesh Network Manpack Radio

1. Battery +/- contacts
2. SIM card slot

Application

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was founded in 2005 and specializes in the research and development of products related to drone defense and control, wireless video transmission, and network security encryption and decryption. With a commitment to high quality and cutting-edge technology, we deliver comprehensive network communication solutions to our clients. Our team of chief scientists, led by professors from the Network Security Institute at Wuhan University, has made significant advancements in developing man-in-the-middle platforms for enhancing network security.

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ZKMANET **Zhongke Lianxun (Shenzhen) Technology Co., Ltd**

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