1W 82Mbps Data Rate Handheld Mesh WiFi Voice Intercom Control Radio Receiver And Transmitter

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2132UM
- Minimum Order Quantity: 1
- Price: USD 1999~4999
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year

Product Specification

- Frequency: 1.4GHz (300MHz-3.8GHz Customizable)
- Bandwidth: 5/10/20/40MHz
- RF Channel: 2T2R
- Output Power: 1W
- Range: 1~2km
- Network Capacity: 64 Nodes
- Data Rate: 82Mbps
- Encryption: AES
- Highlight: **radio control receiver and transmitter**, **Voice Radio Receiver and Transmitter**, **Intercom Radio Receiver and Transmitter**

More Images

Product Description

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Product Description

The ZKManet2132UM is a portable MESH radio equipped with dual transmitters and receivers, enabling it to support both the

MESH self-organizing network's multi-hop relay capability and Wi-Fi hotspot functionality. It includes BD/GPS positioning, an HDMI HD interface, and a 3.5mm audio jack, allowing for HD video input and voice intercom communication. Notably, it is compact, lightweight, easy to carry, and boasts a long battery life thanks to its built-in lithium battery, along with several other impressive features.

In some cities with weak public networks or remote areas, such as mountainous regions, forests, and enclosed tunnels, large fleets involved in security, transportation, and other operations face challenges. Traditional communication methods (such as 4G/5G public networks, 4G public intercom cluster communication, and urban intercom private networks) cannot provide adequate coverage in these areas. As a result, the communication smoothness for fleets in such regions cannot be effectively guaranteed, leading to delays in responding to emergencies and potential risks. This lack of situational awareness hampers decision-making and makes it difficult to issue commands effectively. To address the shortcomings of traditional communication equipment, our Mesh self-organizing network devices offer intelligent application solutions for broadband wireless communication for moving fleets.

Features

* Supports voice intercom
* Data rate up to 82 Mbps
* Full IP duplex transparent data transmission
* Rugged IP66
* Supports 2.4G WIFI connection
* Small size and light weight
* Easy Operation

Specifications

Model	ZKManet2132UM	Brand	ZKMANET
RF Parameters	**Frequency**	1.4GHz (300MHz-3.8GHz Customizable)	
	Bandwidth	5/10/20/40MHz	
	RF Channel	2T2R	
	Output Power	1W	
	Range	1-2km	
Network Parameters	**Network Size**	64 Nodes	
	Data Rate	82Mbps	
	Encryption	AES	
	WIFI	2.4GHz	
Physical/Environment	**Dimensions**	168*74*33mm	
	Weight	729g (w/ battery)	
	Working Temp	-20ºC~+65ºC	
	IP Rating	IP66	
Electrical Parameters	**Power Supply**	12V	
	Working Time	4h	
	Power Consumption	<6W	

Dimensions

Panel Description

1W 82Mbps IP66 Handheld Mesh WiFi Voice Intercom Radio Receiver and Transmitter

1. MESH antenna interface, SMA F
2. Power push button
3. Signal indicator
4. LCD display
5. Configuration buttons - up, down and confirm
6. Nameplate
7. Battery indicator
8. MESH antenna interface, SMA F
9. GPS/BD antenna interface
10. LAN interface - 4-pin female LEMO connector.
11. WIFI antenna interface

1. Hang buckle
2. Charging port

1W 82Mbps IP66 Handheld Mesh WiFi Voice Intercom Radio F

Company Profile

Zhongke Lianxun (Shenzhen) Co., Ltd was established in 2005. The company focuses on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. It leverages the

technical expertise of renowned university network security institutes. The company specializes in providing data encryption and decryption solutions as well as drone defense solutions for industries such as wind power, national power, oil and gas, firefighting, public security, road and bridge construction, and emergency management agencies.

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FAQ

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