

## ZKMANET2132UM 1W 2T2R Handheld IP MESH Radio Video Transmitter for 5km Wireless Communication

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKMANET2132UM
- Minimum Order Quantity: 1
- Price: USD 99~999
- Packaging Details: Brown Carton
- Delivery Time: 15 working weeks
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year



### Product Specification

- Frequency: 1.4GHz
- Output Power: 2T2R
- Encryption: AES
- Range: 1~5km
- Dimension: 77\*54\*23.5MM
- Weight: 110G
- RF Channel: 2T2R
- Network: 64Nodes
- Data Rate: 82Mbps
- WIFI: 2.4GHz
- Application: Mesh Communicate
- Highlight: Handheld IP MESH Radio,  
IP MESH Radio Video Transmitter,  
1 - 5km IP MESH Radio



### More Images



### Product Description

**ZKMANET2132UM 1W 2T2R Handheld IP MESH Radio Video Transmitter for 5km Wireless Communication**

Product Description

Our Product



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.

### Solution

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.

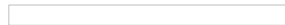
### Features

- \* 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	Z K M A N E T
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	-20°C~+65°C	
	IP Rating	IP66	
Electronic Parameters	Power Supply	12V	
	Working Time	4h	
	Power Consumption	<6W	

### Dimensions



### Panel Description

1W Two-Way Intercom Transmission Handheld IP Mesh Radio

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 Two-Way Intercom Transmission Handheld IP Mesh Radio

### Company Profile



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