

## The ZKMANET2251UM 4W 2T2R 20-30KM Mesh Video Wireless Transmitter and Receiver IP MESH Radio

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKMANET2251UM
- Minimum Order Quantity: 1 piece
- Price: USD 99-999 per piece
- Packaging Details: Carton
- Delivery Time: 15 Days
- Payment Terms: T/T, Western Union, MoneyGram, D/P, D/A, L/C
- Supply Ability: 1000 pieces per year



### Product Specification

- Frequency: 350MHz-4GHz Customizable
- Default Frequencies: 1400MHz-1460MHz
- Channel Bandwidth: 2M/5M/10M/20MHz/40MHz
- Output Power: 4W
- Transmission Rate: Up To 82Mbps
- Network Capability: 10 Nodes(Customized)
- Working VoltageDC 16.8V: DC 18.5V
- Encryption: AES
- IP Rating: IP66
- Application: Mesh Network



### More Images



### Product Description

The ZKMANET2251UM 4W 2T2R 20-30KM Mesh Video Wireless Transmitter and Receiver IP MESH Radio

#### Product Description

The ZKManet2251UM is a 4W handheld mesh network device with a transmission rate of up to 82 Mbps. It supports various communication combinations, making it suitable for different scenarios. It features a built-in display screen that can show

Our Product

device status and connection status in real time. The device can be worn by an individual, used in conjunction with a tripod relay, or installed at fixed points. It can also be utilized on moving vehicles, ships, robots, drones, and unmanned boats. With one-click operation, it can be used anytime and anywhere without the need for configuration or parameter changes.

#### Features

- \* Supports HDMI input
- \* Supports voice intercom
- \* Supports WIFI connection
- \* Data rate up to 82Mbps
- \* Supports GPS/BD
- \* Full-duplex two-way data transmission
- \* Full IP transparent data transmission
- \* IP66
- \* Easy 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	ZKManet2251UM	Brand	ZKMANET
RF Parameters	Frequency	1.4GHz (Customizable)	
	Bandwidth	20MHz (Typical)	
	RF Channel	2T2R	
	Output Power	2*2W	
	Range	20-30km (LOS)	
Network Parameters	Network Size	64 Nodes	
	Data Rate	82Mbps(Max)	
	Encryption	AES	
Physical/ Environment	Dimensions	246.5*82*42mm	
	Weight	1.2kg (w/ battery)	
	Working Temp	-20°C~+65°C	
	IP Rating	IP66	
Electrical Parameters	Power Supply	18.5V	
	Battery Capacity	48Wh	
	Power Consumption	<12W	

#### Dimensions

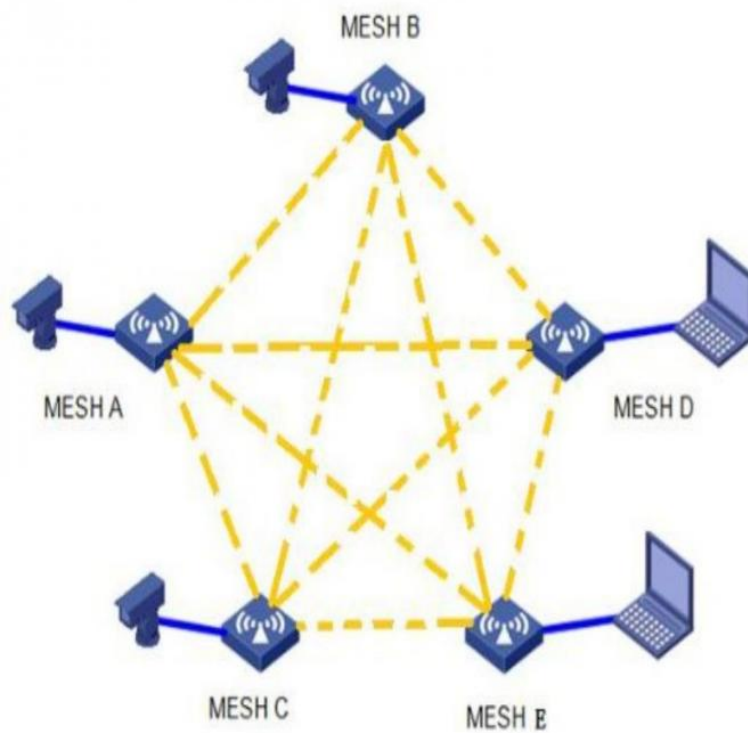
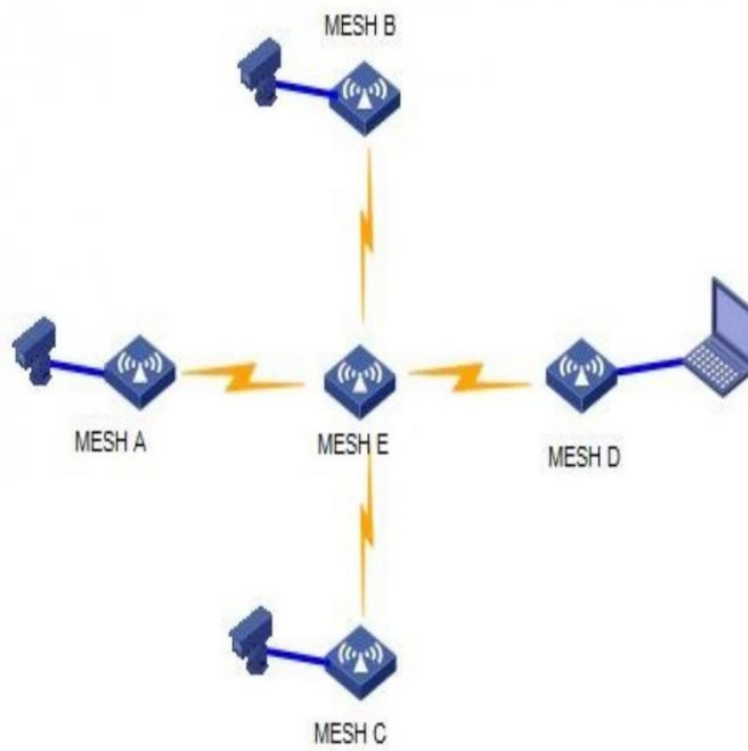
Handheld IP Mesh MIMO Radio

#### Panel Description

- |  |   |
|--|---|
| <p>Handheld IP Mesh MIMO Radio</p> <ol style="list-style-type: none"> <li>1. 3.5mm audio interface</li> <li>2. Configuration buttons (optional)</li> <li>3. Battery locker - push to remove battery</li> <li>4. Battery Indicator</li> <li>5. Battery Charging Port</li> </ol> | <ol style="list-style-type: none"> <li>1. Main body power input port</li> <li>2. HDMI input (mini HDMI interface)</li> <li>3. WIFI antenna interface</li> <li>4. LAN input interface</li> <li>5. Mic input interface</li> <li>6. GPS/BD antenna interface</li> <li>7. MESH antenna interface-1</li> <li>8. Power push button</li> <li>9. Signal Indicator</li> <li>10. MESH antenna interface-2</li> </ol> <p>Handheld IP Mesh MIMO Radio</p> |
|--|---|

#### Application

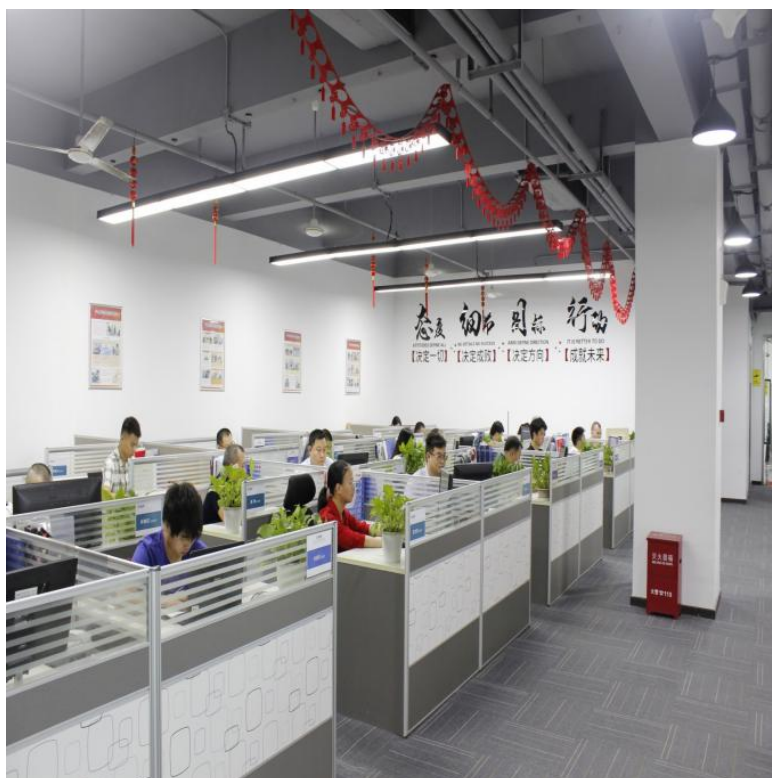
Handheld IP Mesh MIMO Radio



#### Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005. We focus on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. With excellent quality and advanced technology, we provide comprehensive network communication solutions to our customers.

Our chief scientist team, led by professors from the Network Security Institute of Wuhan University, has achieved remarkable results in the development of man-in-the-middle platforms for network security. The company currently offers platforms such as a drone denial system platform, long-distance wireless video transmission platform for drones, network encrypted data analysis platform, IPSEC man-in-the-middle platform, and SSH man-in-the-middle analysis platform.



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FAQ

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