

Handheld Manpack Mesh Radio Full Bandwidth Video Transmission HD Image 1W 1.4GHz 2T2R MESH Wireless Video Transmitter

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2132UM
- Minimum Order Quantity: 1 piece
- Price: USD 1699~2599
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year



Product Specification

- Default Frequencies: 1.4GHz
- Channel Bandwidth: 5M/10M/20MHz/40MHz
- RF Channel: 2T2R
- Output Power: 30dBm (2x 0.37dBm)
- WIFI: 5.8GHz/2.4GHz
- Modulation Type: BPSK/QPSK/16-QAM/64-QAM/DSSS/CCK
- Data Rate: Up To 90Mbps
- Network Capability: 9 Hops 64 Nodes
- Highlight: **1.4GHz Manpack Mesh Radio, Full Bandwidth Mesh Radio, 2T2R MESH Wireless Video Transmitter**



More Images



Product Description

Handheld Manpack Mesh Radio Full Bandwidth Video Transmission HD Image 1W 1.4GHz 2T2R MESH Wireless Video Transmitter

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	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	-20°C~+65°C	
	IP Rating	IP66	
Electrical Parameters	Power Supply	12V	
	Working Time	4h	
	Power Consumption	<6W	

Dimensions



Panel Description

1W 1~2km Range Walkie Talkie 82Mbps 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 1~2km Range Walkie Talkie 82Mbps Handheld IP Mesh F

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise located in Shenzhen China. Our products mainly use FPGA, MESH, COFDM, 4G-LTE, 4G/5G technologies and auxiliary decision-making software to form underground building emergency communication systems, and police investigation communication systems, and police noncombat training communication systems, urban emergency communication systems, emergency communication vehicle communication systems, etc. The products are widely used in law enforcement agencies and government departments such as public security, armed police, forest fire prevention, civil air defense, and maritime affairs.

Our vision: To create perfect wireless transmission services so that humans can be more calm in the face of disasters and emergencies because of our products.

We hold numerous patents with independent intellectual property rights and have developed a robust quality management system that adheres to ISO9001 standards, as well as national standards. Our production processes strictly follow these national guidelines and internationally recognized standards, including CCC, CE, and FCC. Additionally, we have received the Radio Transmission Equipment Model Approval Certificate from the Ministry of Industry and Information Technology of China and have successfully completed wireless product testing certification from the Ministry of Public Security.

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[1W 1~2km Range Walkie Talkie 82Mbps Handheld IP Mesh F](#)

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