

4W 2T2R Handheld Manpack Radio with 82Mbps Video Data and Rugged IP66 Housing

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2251UM
- 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 (Customizable)
- Output Power: 4W
- RF Channel: 2T2R
- Range: 20-30km (Los)
- Network Size: 64 Nodes
- Data Rate: 82Mbps
- Encryption: AES
- IP Rating: IP66



More Images



Product Description

4W 2T2R Handheld Manpack Radio with 82Mbps Video Data and Rugged IP66 Housing

Product Description

The ZKManet2251UM is a 4W handheld mesh network device with a transmission rate of up to 82 Mbps. It supports various

Our Product

communication combinations, making it suitable for different scenarios. It features a built-in display screen that can show 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	
Electronic Parameters	Power Supply	18.5V	
	Battery Capacity	48Wh	
	Power Consumption	<12W	

Dimensions



Panel Description

Rugged IP66 20~30km Video Data Voice Transmission Handheld Manpack Main

1. Main body power input port
2. HDMI input (mini HDMI interface)
3. WIFI antenna interface
4. LAN input interface
5. Mic input interface
6. GPS/BD antenna interface
7. MESH antenna interface-1
8. Power push button
9. Signal Indicator
10. MESH antenna interface-2

1. 3.5mm audio interface
2. Configuration buttons (optional)
3. Battery locker - push to remove battery
4. Battery Indicator
5. Battery Charging Port

Rugged IP66 20~30km Video Data Voice Transmission Handh

Application



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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