

## 1W IP66 Handheld MESH Radio with Voice Intercom and High Data Rate 82Mbps for Range 2km Transmission

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2132UM
- Minimum Order Quantity: 1
- Price: USD 1999~2399
- 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
- Dimensions: 160\*78\*43mm



### More Images



## Product Description

### 1W IP66 Handheld MESH Radio with Voice Intercom and High Data Rate 82Mbps for Range 2km Transmission

#### 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.

#### 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

- \* Small size, light weight,easy to carry
- \* Supports FHSS
- \* Display the connection status in real time
- \* Data rate up to 82Mbps
- \* There are physical buttons to change the configuration without the need for a compute
- \* Supports HDMI high-definition interface and 3.5mm voice interface
- \* Supports high-definition video access and voice intercom

#### Specifications

<b>Model</b>	ZKManet2132UM	
<b>RF parameters</b>	Frequency	1.4GHz(300MHz-3.8GHz customizable)
	Bandwidth	5/10/20/40MHz
	RF Channel	2T2R
	Output Power	1W
	Range	1-2km
<b>Network parameters</b>	Network capacity	64
	Date Rate	82Mbps
	Encryption	AES
	WIFI	2.4GHz
<b>Physics/Environment</b>	Dimensions	160*78*43mm
	Weight	729g
	Working Temp	-20°C +65°C
	IP Rating	IP66
<b>Electrical parameters</b>	Power supply	12V
	Working hours	4h
	Power Consumption	≤6W

#### Dimensions



#### Panel Description

1W IP66 Handheld Radio Intercom Bd/GPS Voice Transceiver

#### Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise. Our products mainly use Mesh,COFDM and LTE as core 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.

Guided by the principles of "unity and commitment, technological advancement, and service innovation," we cater to users both at home and abroad. We prioritize the motto of "quality first, reputation foremost" in delivering high-quality, efficient, and tailored services to our global clientele. The company is dedicated to fostering an innovative culture centered on "exploration and progress."

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FAQ

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