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

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

10000 pieces per year

Supply Ability:

ZVAARNET



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 			
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IP MESH Radio Video Transmitter,	 Application: 	Mesh Communicate	
	 Highlight: 		

More Images

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Product Description

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

Product Description

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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 for moving fleets.

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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	Z K Brand A N E T
	Frequency	1.4GHz (300MHz-3.8GHz Customizable)
RF Parameters	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	-20ºC~+65ºC
	IP Rating	IP66
	Power Supply	12V
Electronic Parameters	Working Time	4h
	Power Consumption	<6W

Dimensions

Panel Description

<u>1W Two-Way Intercom Transmission Handheld IP Mesh</u> , Radio	 MESH antenna interface, SMA F Power push button Signal indicator LCD display Configuration buttons - up, down and confirm Nameplate Battery indicator MESH antenna interface, SMA F GPS/BD antenna interface LAN interface - 4-pin female LEMO connector. WIFI antenna interface
 Hang buckle Charging port 	1W Two-Way Intercom Transmission Handheld IP Mesh
Company Profile	

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was founded in 2005 and specializes in the research and development of products related to drone defense and control, wireless video transmission, and network security encryption and decryption. With a commitment to high quality and cutting-edge technology, we deliver comprehensive network communication solutions to our clients. Our team of chief scientists, led by professors from the Network Security Institute at Wuhan University, has made significant advancements in developing man-in-the-middle platforms for enhancing network security. <u>1W Two-Way Intercom Transmission Handheld IP Mesh Radio</u>					
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