

## ZKMANET2271UM 40dBm 1.4GHz 2T2R Manet Mesh Backpack Wireless Video Transmission Radio

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKMANET2271UM
- Minimum Order Quantity: 1 piece
- Price: USD99-999
- Packaging Details: carton
- Delivery Time: 15days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 10000pcs/year



### Product Specification

- Working Frequency: 1.4GHz(300MHz-3.8GHz Customizable)
- Working Bandwidth: 5/10/20/40MHz, 20MHz(typical)
- RF Channel: 2T2R
- Output Power: 20-High Power Customizable
- Nodes: 10nodes(Customized)
- Throughout Rate: 82Mbps
- Encryption: AES
- Public Network: 4G/5G Full Netcom
- WIFI: 2.4GHz
- Transmission Distance: 10-20km(line-of-sight)
- Application: Mesh Video Communication
- Highlight: Manet mesh backpack radio, Wireless video transmission radio 40dBm, 2T2R vehicle mounted data link



### More Images



### Product Description

#### ZKMANET2271UM 40dBm 1.4GHz 2T2R Manet Mesh Backpack Wireless Video Transmission Radio

##### Product Description

ZKManet2271UM is a high-power MESH self-organizing network radio with an integrated backpack design, providing a more stable emergency network and longer transmission distance in complex situations. The device comes with a data display screen, showing real-time device status and connection status. It can be worn by a single soldier, used as a relay with a tripod, or installed at fixed points. With a built-in lithium battery for power supply, the product features a sleek appearance, ease of use, powerful functionality, and high reliability.

##### Features

- \* Supports two-way intercom
- \* Full transparent IP data transmission
- \* Supports 4G (with SIM card slot)
- \* Supports WIFI connection
- \* Supports GPS/BD
- \* Equipped with a display screen to show configuration information and connection status
- \* Working time ≥4h
- \* IP66
- \* Easy to operation

Our Product Introduction

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	ZKMANET2271UM	Brand	ZKMANET
RF Parameters	Frequency	1.4GHz (300MHz-3.8GHz Customizable)	
	Bandwidth	5/10/20/40MHz,20MHz (Typical)	
	RF Channel	2T2R	
	Output Power	20-High Power Customizable	
Network Parameters	Network Size	64 Nodes (128 nodes optional)	
	Data Rate	82Mbps	
	Encryption	AES	
	Public Network	4G/5G	
	WIFI	2.4GHz	
Physical/Environment	Range	10-20km (LOS)	
	Dimensions	320*200*75mm	
	Weight	4.75kg (w/ battery)	
	Working Temp	-40°C~+65°C	
	IP Rating	IP66	
Electrical Parameters	Power Supply	16.8V	
	Battery Capacity	13Ah	
	Power Consumption	<80W	
Other	Data Display	Support	
	Intercom	Support	
	Positioning	Support	

Dimensions

Two-Way Intercom 40dBm Mesh Self-Organizing Network Radio

Panel Description

- 1. Power push button
- 2. PTT (Mic)
- 3. MESH signal indicator

SNR	Link Quality	Topology Color
SNR ≥ 17	Excellent	Deep Green
12 ≤ SNR < 17	Good	Light Green
7 ≤ SNR < 12	Fine	Yellow
2 ≤ SNR < 7	Medium	Orange
-10 < SNR < 2	Bad	Red
SNR = -10	Disconnected	N/A

Two-Way Intercom 40dBm Mesh Self-Organizing Network Radio

- 1. LAN interface, RJ45
- 2. Digital LCD indicator
- 3. Configuration buttons (optional) - set frequency, bandwidth and distance parameters.
- 4. Battery Indicator
- 5. Battery butterfly clasp
- 6. MESH antenna interface-2
- 7. WIFI antenna interface-2
- 8. 4G antenna interface
- 9. GPS/BD antenna interface
- 10. WIFI antenna interface-1
- 11. MESH antenna interface-1

- 1. Battery charging port
- 2. Main body power input port

Two-Way Intercom 40dBm Mesh Self-Organizing Network Radio

Two-Way Intercom 40dBm Mesh Self-Organizing Network Radio

- 1. Battery +/- contacts
- 2. SIM card slot

Application



#### Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise. Our products mainly use Mesh 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., suitable for law enforcement forces and government departments such as public security, armed police, forest fire prevention, civil air defense, and maritime. Especially the intelligent communication products of special robots have solved the long-distance communication and control problems of robots in complex environments.



#### FAQ

[Two-Way Intercom 40dBm Mesh Self-Organizing Network Radio](#)

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**ZKMANET** Zhongke Lianxun (Shenzhen) Technology Co., Ltd



+8613316826915



Info@chinamanet.com



zkmanet.com

203-B161, Block B, Garden City Digital Building, No.1079 Nanhai Avenue, Yanshan Community, Merchants Street, Nanshan District, Shenzhen, China