

350MHz-3.8GHz 82Mbps Manpack MESH Base Station Video Transceiver for 10-20km Long Range Transmission

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2271UM
- Minimum Order Quantity: 1
- Price: USD 5999 per piece
- Packaging Details: Brown Carton
- Delivery Time: 4 working weeks
- 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: 20-High Power Customizable
- Network Capacity: 64 Nodes
- Data Rate: 82Mbps
- Encryption: AES
- Range: 10~20km(LOS)
- Highlight: 10-20km Video Transceiver, Base Station Video Transceiver, transceiver video




More Images








Product Description

350MHz-3.8GHz 82Mbps Manpack MESH Base Station Video Transceiver for 10-20km Long Range Transmission

Product Description

Our Product

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

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	
Electronic Parameters	Power Supply	16.8V	
	Battery Capacity	13Ah	
	Power Consumption	<80W	
Other	Data Display	Support	
	Intercom	Support	
	Positioning	Support	

Dimensions



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

1.4GHz IP66 Manpack 10~20km Long Range Base Station Video Data Transmitter

1. LAN interface, RJ45
2. Digital LCD indicator
3. Configuration buttons (optional) - set frequency, band 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

1.4GHz IP66 Manpack 10~20km Long Range Base Station Vic

- 1.4GHz IP66 Manpack 10~20km Long Range Base Station Video Data Transmitter
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,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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ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd

+86 13266718951 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