Backpack Ship Mounted Video Data Link MESH Communication System with High Power and 2T2R Channel

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2271UM
- Minimum Order Quantity: 1 piece
- Price: USD 5599 6299 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per 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: 64 Nodes(128nodes As Option)
- Throughout Rate: 82Mbps
- Encryption: AES
- Public Network: 4G/5G Full Netcom
- WIFI: 2.4GHz
- Transmission Distance: 10-20km(line-of-sight)
- Highlight: **Ship mounted Data Link**,
  Data Link ZKManet2271UM,
  ZKManet2271UM MESH Communication System

More Images

Product Description

Backpack Ship Mounted Video Data Link MESH Communication System with High Power and 2T2R Channel

Product Description

The ZKManet2271UM is a high-power MESH self-organizing radio, customizable to 43dBm or High Power. The device features a display screen that shows real-time device status and connection information. It can be used as a portable unit for individual operators, set up on a tripod as a relay, or installed at fixed locations. Powered by a lithium battery, it offers over 4 hours of operational time. It supports various communication methods such as voice intercom, Wi-Fi, and 4G transmission. Its integrated backpack design ensures a more stable emergency network and extended transmission range in complex situations.

Product Parameters

Item No.	ZKManet2271UM	Band	ZKMANET
RF Parameters	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	
Network Parameters	Nodes	64 nodes(128nodes as option)	
	Throughout Rate	82Mbps	
	Encryption	AES	
	Public Network	4G/5G Full Netcom	
	WIFI	2.4GHz	
	Transmission Distance	10-20km(line-of-sight)	
Physical/Environment	Dimension	320*200*75mm	
	Weight	4.75kg(included battery)	
	Working Temperature	-40ºC~+65ºC	
	Protection Rating	IP66	
Electrical Characteristics	Power Supply	16.8V	
	Battery Capacity	13Ah	
	Power Consumption	<80W	
Other	Data Show	Support	
	Intercom	Support	
	Positioning	Support	

Detailed Photos

1.4GHz 40dBm Backpack HD Image Low Latency Communication Module Wireless Video Data Transmitter

- 1. Power push button
- 2. PTT (Mic)
- 3. MESH signal indicator
- 4. LAN interface, RJ45
- 5. Digital LCD indicator
- 6. Configuration buttons (optional) - set frequency, bandwidth and distance parameters.

1.4GHz 40dBm Backpack HD Image Low Latency Communication Module Wireless Video Data Transmitter

- 7. Battery Indicator
- 8. Battery butterfly clasp
- 9. MESH antenna interface-2
- 10. WIFI antenna interface-2
- 11. 4G antenna interface
- 12. GPS/BD antenna interface
- 13. WIFI antenna interface-1
- 14. MESH antenna interface-1

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

1.4GHz 40dBm Backpack HD Image Low Latency Communicatic

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
* Rugged IP66
* Easy to operation

Application

Our Company

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.

We have multiple patents with independent intellectual property rights, has established a sound quality system and national standard system that comply with ISO9001 standards, and strictly produces products in accordance with national standards and internationally recognized standards such as CCC, CE, FCC, etc. It has obtained the Radio Transmission Equipment Model Approval Certificate issued by the Ministry of Industry and Information Technology of China and has passed the wireless product testing certification of the Ministry of Public Security.

R&D Equipments

Spectrum Analyzer

Spectrometer

Handheld Spectrometer

Microwave Network Analyzer

Network analyzer

Digital Oscilloscope

Wireless Communication Tester

Logic Analyzer

Timing/Frequency Meter

Dual Channel Digital Power Meter

Constant Temperature and Humidity Test Chamber

FAQ

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