High Power Personal Communication Equipment

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 Cuatomizable)
- 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: **40 MHz Personal Communication Equipment**, **high power Personal Communication Equipment**, **2T2R communication equipment**

More Images

Product Description

Advanced High Power 2T2R 10-20km Long Range Manpack Base Station Video Transceiver

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

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		
	Range	10-20km (LOS)		
Physical/Environ ment	**Dimensions**	320*200*75mm		
	Weight	4.75kg (w/ battery)		
	Working Temp	-40ºC~+65ºC		
	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. Battery +/- contacts
2. SIM card slot

Application

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech research and development enterprise. Our products primarily leverage Mesh, COFDM and LTE technologies, along with supporting decision-making software, to create emergency communication systems for underground facilities, and police investigations, non-combat training, urban emergencies, and communication vehicles. These solutions are designed for law enforcement agencies and government departments, including public security, armed police, , forest fire prevention, civil defense, and maritime operations. Notably, our intelligent communication products for specialized robots address the challenges of long-distance communication and control in complex environments.

Our chief scientist team, led by professors from the Network Security Institute of Wuhan University, has achieved remarkable results in the development of man-in-the-middle platforms for network security. The company currently offers platforms such as a drone denial system platform, long-distance wireless video transmission platform for drones, network encrypted data analysis platform, IPSEC man-in-the-middle platform, and SSH man-in-the-middle analysis platform.

FAQ