# 40dBm 2T2R Manpack MESH Radio for Emergency Situations Personal Communication Equipment

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
- Highlight:            **40dBm Manpack MESH Radio,**
                        **2T2R Manpack MESH Radio,**
                        **Emergency Situations Manpack MESH Radio**

## More Images

## Product Description

**40dBm 2T2R Manpack MESH Radio for Emergency Situations Personal Communication Equipment**

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.
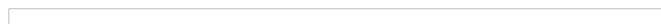
## Features

* 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
* Rugged 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/Environment** | **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 |

High Power 20~High Power Radio with Two-Way Intercom 4G WiFi GPS/Bd Manpack Transceiver

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

High Power 20~High Power Radio with Two-Way Intercom 4G

High Power 20~High Power Radio with Two-Way Intercom 4G WiFi GPS/Bd Manpack Transceiver

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

## Application

## Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd was founded in 2005, it is a high-tech enterprise specializing in the research, development, production and sales of drones, wireless image mobile transmission, and emergency communication command systems. It is also a leading domestic supplier of mobile emergency communication solutions.

Our products are widely used in public security, armed police, emergency, civil air defense, forest, environmental protection, water conservancy, maritime, oil fields, electric power and other fields. 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.

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## FAQ

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