# Rugged IP68 1.4GHz 30Mbps Data Rate Handheld Mesh Transceiver Intelligent Terminal for HD Video Transmission

**Our Product Introduction**

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## Basic Information

- Place of Origin:            Shenzhen, China
- Brand Name:                 ZKMANET
- Certification:              CE, ISO9001
- Model Number:               ZKManet2111UM
- Minimum Order Quantity:     1
- Price:                      USD99~999
- Packaging Details:          Brown Carton
- Delivery Time:              5~8 working days
- Payment Terms:              T/T, Western Union
- Supply Ability:             10000 pieces per year

## Product Specification

- Frequency:         1.4GHz (Customizable)
- Bandwidth:         20MHz (Typical)
- RFChannel:         1T1R
- Output Power:      23dBm (200mw)
- Network Capacity:  32 Nodes
- Data Rate:         30Mbps
- Encryption:        AES
- IP Rating:         IP68

## More Images

## Product Description

**Rugged IP68 1.4GHz 30Mbps Data Rate Handheld Mesh Transceiver Intelligent Terminal for HD Video Transmission**

Product Description

**Our Pro**

The ZKManet2111UM is a sophisticated intelligent terminal that offers support for MESH, 4G, Wi-Fi, Bluetooth, and DMR intercom systems. It enables simultaneous HD video transmission and voice communication while also incorporating features for remote monitoring, including satellite positioning and audio/video capture and upload. Additionally, the terminal provides essential everyday functions such as calling and texting, and it allows for the installation of third-party applications. This device is suitable for use in Public Security, Armed Police, Fire Control, Civil Air Defense, and operations to facilitate real-time communication and coordinated command efforts.

## Features

* MESH, 4G and DMR intercom integrated
* Supports WIFI, Bluetooth and GPS/BD
* AES encryption
* Ruged IP68
* Buckle design frees both hands
* Compact size and light weight
* Flexible networking and rapid deployment

## Panel Description

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio

1- MESH Antenna
2- Front Camera
3- Light Sensor
4- Custom Key
5- PTT Antenna
6- Earphone
7- 4.0 HD Screen
8- Main Mic
9- Louderspeaker
10- Rear Camera
11- Flash Light
12- Vice Mic
13- Battery
14- 8.7V Dock Charge
15- Battery Lock

16- Power Button
17- PTT Button
18- POC Button
19- Fingerprint Recognition (Optional)
20- Headset Interface (USB/OTG)
21- Volume Up/Down Buttons
22- Type-C Interface (USB2.0)

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld M

**Package Content**

| Item# | Description | Qty | Remark |
|-------|-------------|-----|--------|
| 1 | Handheld 4G IP MESH Radio | 1 | ZKManet2111UM |
| 2 | MESH Antenna | 1 | SMA Female |
| 3 | PTT Antenna | 1 | SMA Female |
| 4 | Power Supply | 1 | 8.7V/1.8A |
| 5 | Data Sheet | 1 | E-copy |
| 6 | User Manual | 1 | E-copy |

## Specifications

| | Frequency | 1.4GHz (customizable) |
|---|---|---|
| MESH | Bandwidth | 20MHz (Typical) |
| | RF Channel | 1T1R |
| | Output Power | 23dBm (200mw) |
| | Capacity | 32 nodes |
| | Data Rate | 30Mbps (Max) |
| | Encryption | AES |
| System | OS | Android 8.1 |
| | CPU | MTK Octa-core 2.0GHz |
| | Memory | 64GB ROM+4GB RAM |
| | Screen | IPS 4 inches capacitive screen, 5-point touch, FHD 1136*640 |
| | Camera Pixel | Sensor type: CMOS<br>Front: 5 million pixels<br>Rear: 13 million pixels |
| | Voice | Dual silicon Mic, 2W loudspeaker |
| | Data | USB 2.0, 20-pin, supports headset, USB camera, standard type C 2.0 interface |
| Network | 4G Public | GSM, WCDMA, EVDO, TD-SCDMA, TDD/FDD-LTE |
| | WI-FI | 802.11 b/g/n, 2.4G/5.8G |
| | Bluetooth | BT4.0 |
| | GPS | GPS/BEIDOU/GLONASS |
| | NFC | 13.56MHz Active and passive Peer-to-Peer-ISO/IEC 18092 -NFCIP-1 Initiator & Target Passive mode - Reader/Writer- NFC Forum Type 1/2/3/4/5 tags - ISO/IEC 15693 - MIFARE Classic(a)(b) - Thinfilm (ex Kovio) Barcode• Active mode - Card Emulation - ISO/IEC 14443 Type A & B - JIS X 6319 - 4 - MIFARE Classic(a)(b) through SWP-CLT |
| | DMR | DMR digital analog combo, supports all voice and data services defined by the standard, and various encryption methods, high power 4W, low power 2W, U section 400-470MHz / Police use 350-400MHz / V section 136-174MHz optional |
| Physical | Dimensions | 148*64*30mm (w/o antenna) |
| | Weight | 430g (w/ battery) |
| | Working Temp. | -20ºC+65ºC |
| | Protection Level | IP68 |
| Electrical | Power Supply | 7.6V Lithium Polymer Battery |
| | Battery Capacity | 19Wh |
| | Power Consumption | <37dBm Average |

## 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.

We hold several patents with independent intellectual property rights and have developed a robust quality management system that adheres to ISO9001 standards, as well as national standards. Our production processes strictly follow these national guidelines and internationally recognized standards, including CCC, CE, and FCC. Additionally, we have received the Radio Transmission Equipment Model Approval Certificate from the Ministry of Industry and Information Technology of China and have successfully completed wireless product testing certification by the Ministry of Public Security.

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**Our Patents**

Rugged IP68 Supports Bluetooth WiFi 4G GPS/Bd Handheld Mesh Radio

**Test Equipments**

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## Our Advantages

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