

## ZKMANET2252UM 4W 2-5KM WiFi Mesh Video Transmitter 4G-LTE Radio

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKMANET2252UM
- Minimum Order Quantity: 1 piece
- Price: USD999/pc
- Packaging Details: carton
- Delivery Time: 137dBmork days
- Payment Terms: T/T, Western Union, MoneyGram, L/C, D/A, D/P,
- Supply Ability: 10000pcs/ year



### Product Specification

- Default Frequencies: 1400-1460MHz (562-612MHz)
- Channel Bandwidth: 5M/10M/20MHz/40MHz
- RF Channel: 2T2R
- Output Power: 4W
- WIFI: 2.4G
- Modulation Type: DSSS/CCK BPSK/QPSK OFDM BPSK/QPSK/16-QAM/64-QAM
- Data Rate: Up To 82Mbps
- Network Capability: 10nodes(Customized)
- Encryption: AES256
- Transfer Speed: 82Mbps
- Application: LTE MESH NETWORK



### More Images



### Product Description

#### ZKMANET2252UM 4W 2-5KM WiFi Mesh Video Transmitter 4G-LTE Radio

##### Product Description

The ZKManet2252UM is a robust MESH radio with an IP66 rating, featuring integrated 4G, GPS/BD, PTT, and 2.4G WiFi capabilities. It supports HDMI and LAN inputs and includes an LCD digital display that provides real-time device status

Our Product

updates. The device is equipped with a convenient buckle-up battery for easy replacement. It can be utilized in various applications, including as a manpack radio, a fixed-point relay, or mounted on mobile platforms such as vehicles, robots, or unmanned ships.

#### Features

- \* Supports 4G-LTE network
- \* Supports LAN and HDMI inputs
- \* Supports 2.4G MIMO WiFi and GPS/BD
- \* Supports voice intercom
- \* Data rate up to 82Mbps
- \* With LCD to show device parameters in real time
- \* Optional buttons for parameters configuration
- \* Full duplex transparent IP data transmission
- \* Flexible networking and rapid deployment
- \* Rugged IP66
- \* Convenient operation and maintenance

#### Dimensions

#### 4G-LTE Ptt Manpack IP/HDMI Mesh Radio

#### Panel Description

##### Front View

4G-LTE Ptt Manpack IP/HDMI Mesh Radio

- 1- Battery butterfly clasp
- 2- Power input port for main body
- 3- Configuration buttons for frequency, bandwidth and distance
- 4- Digital LCD indicator
- 5- HDMI input interface
- 6- Power push button
- 7- LAN interface (RJ45)
- 8- MESH antenna interface-2
- 9- WIFI antenna interface
- 10- MESH signal LED indicator
- 11- 4G antenna interface
- 12- PTT Mic interface
- 13- GPS/BD antenna interface
- 14- MESH antenna interface-1

##### Rear View

- 1- Battery indicator
- 2- Mounting hole

4G-LTE Ptt Manpack IP/HDMI Mesh Radio

##### Inner View

4G-LTE Ptt Manpack IP/HDMI Mesh Radio

- 1- Battery +/- contact pins
- 2- SIM card slot

#### Topology Diagram

\* Star Type  
4G-LTE Ptt Manpack IP/HDMI Mesh Radio

\* Mesh Type  
4G-LTE Ptt Manpack IP/HDMI Mesh Radio

\* Random Type

Application Scenario  
4G-LTE Ptt Manpack IP/HDMI Mesh Radio

Product Parameters

Transmission Characteristics	
Default Frequencies	1400-1460MHz (562-612MHz)
Channel Bandwidth	5M/10M/20MHz/40MHz
RF Channel	2T2R
Output Power	36dBm (2x2W)
WIFI	2.4G WIFI (2x100mw MIMO)
Modulation Type	DSSS/CCK BPSK/QPSK OFDM BPSK/QPSK/16-QAM/64-QAM
Data Rate	Up to 82Mbps
Network Capability	9 hops and no less than 64 nodes
Encryption	AES
Electrical Characteristics	
Working Voltage	DC 12V
Battery Capacity	1137dBmh
Power Consumption	<16W Average
Physical Characteristics	
Weight	2.5kg (w/ battery)
Dimensions	240*150*60mm
IP Rating	IP66
Storage Temp.	-45°C~85°C
Working Temp.	-40°C~65°C
Working Humidity	5%RH-95%RH (Non-Condensing)

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. 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.



Our Patents  
4G-LTE Ptt Manpack IP/HDMI Mesh Radio

Test Equipments  
4G-LTE Ptt Manpack IP/HDMI Mesh Radio

## Our Advantages

4G-LTE Ptt Manpack IP/HDMI Mesh Radio

4G-LTE Ptt Manpack IP/HDMI Mesh Radio

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