

## Rugged IP67 1.4GHz Frequency Customizable 2T2R Vehicle Mounted Data Link Transceiver

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2551UM
- Minimum Order Quantity: 1
- Price: USD 3500~5999
- Packaging Details: Brown Carton
- Delivery Time: 5~8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year

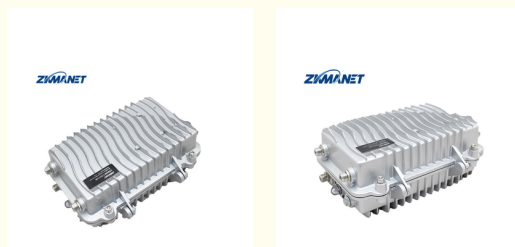


### Product Specification

- Frequency: 1400-1460MHz (562-612MHz)
- RF Channel: 2T2R
- Output Power: 4W
- RF Bandwidth: 5M/10M/20M/40MHz
- Network Capacity: 64 Nodes
- Data Rate: 82Mbps



### More Images



### Product Description

#### Rugged IP67 1.4GHz Frequency Customizable 2T2R Vehicle Mounted Data Link Transceiver

##### Product Description

The ZKManet2551UM is a high-performance, high-stability, high-power outdoor IP MESH Radio. By matching with directional,

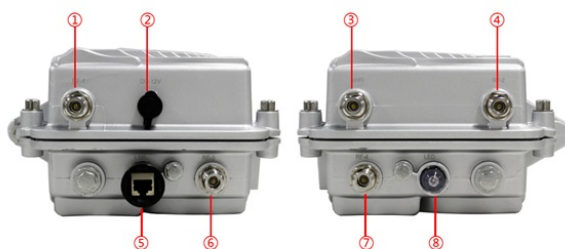
Our Product

omnidirectional, sector and other antenna types, it can realize different types of point-to-multipoint or point-to-point and MESH networks. It adopts advanced industrial-grade design such as anti-surge/static, anti-salt spray corrosion, etc., which can meet all-weather uninterrupted work in various complex electromagnetic environments and harsh climates.

#### Features

- \* Range up to 5-20km LOS
- \* Data rate up to 82Mbps
- \* Supports AES encryption
- \* With dual antennas MIMO
- \* Supports up to 64 nodes MESH network
- \* Full duplex transparent IP data transmission
- \* Flexible networking and rapid deployment
- \* Rugged IP67

#### Detailed Photos



MESH Antenna Interface  
Power Input Port – DC 12V  
WIFI Antenna Interface  
MESH Antenna Interface  
LAN Interface – RJ45  
Antenna Interface – Reserved  
Antenna Interface – Reserved  
Signal Indicator

#### Product Parameters

Transmission Characteristics	
Modulation Type	BPSK/QPSK/16-QAM/64-QAM
Frequency	1400-1460MHz
RF Channel	2T2R
RF Power Output	36dBm (4W)
RF Bandwidth	2/5/10/20/40MHz
Network Characteristics	
Network Capacity	Up to 64 nodes
Data Rate	82Mbps@40MHz
Encryption	AES (User-defined password)
Electrical Characteristics	
Working Voltage	DC 12V
Working Current	≤1A (@12V)
Power Consumption	≤12W
Physical Characteristics	
Weight	3.2kg
Dimensions	286*216*122mm
Working Temp.	-20°C +65°C
IP Code	IP67
Storage Temp.	-45°C ~ +85°C

#### Company Profile

Zhongke Lianxun (Shenzhen) Co., Ltd was established in 2005. The company focuses on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. It leverages the technical expertise of renowned university network security institutes. The company specializes in providing data encryption and decryption solutions as well as drone defense solutions for industries such as wind power, national power, oil and gas, firefighting, public security, road and bridge construction, and emergency management agencies.

We're 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.

#### Our Patents

40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio

40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio 40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio 40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio

Test Equipments

40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio

40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio

Our Advantages

40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio

40dBm/43dBm Multi-Hop Outdoor Industrial IP Mesh Radio

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