

## 4W 82Mbps MIMO Outdoor IP Mesh Radio Base Station Transceiver with AES Encryption

Our Product Introduction

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### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2551UM
- Minimum Order Quantity: 1 piece
- Price: USD 3499 5999 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

- Modulation Type: BPSK/QPSK/16-QAM/64-QAM
- Frequency: 1400-1460MHz (562-612MHz)
- RF Channel: 2T2R
- RF Power Output: 4W
- RF Bandwidth: 5M/10M/20M/40MHz
- Network Capacity: Up To 64 Nodes
- Data Rate: 82Mbps@40MHz
- Encryption: AES (User-defined Password)



### More Images



### Product Description

#### 4W 82Mbps MIMO Outdoor IP Mesh Radio Base Station Transceiver with AES Encryption

##### Product Description

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

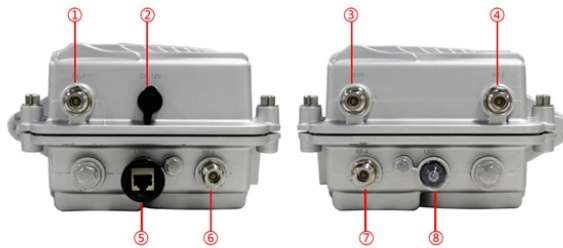
Our Product

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) 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.

High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio

#### Our Patents

High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio

#### Test Equipments

High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio High Power 20~40km Video Data Transmission Outdoor Mesh Base Station Radio

Our Advantages

High Power 20~40km Video Data Transmission Outdoor Mesh Base Station High Power 20~40km Video Data Transmission Outdoor Mesh

**ZKMANET** Zhongke Lianxun (Shenzhen) Technology Co., Ltd



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