

## Rugged IP67 4W MESH Outdoor Base Station Transceiver Working in 1.4GHz for 5~20km Transmission

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMNET
- Certification: CE,ISO9001
- Model Number: ZKManet2551UM
- Minimum Order Quantity: 1
- Price: USD 1999~9999
- Packaging Details: Brown Carton
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10000 pieces per year

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### Product Specification

- Frequency: 1.4GHz(300MHz-3.8GHz Customizable)
- Bandwidth: 5/10/20/40MHz
- RF Channel: 2T2R
- Output Power: 4W
- Network Capacity: 64(128 As Optional)
- Data Rate: 82Mbps
- Range: 5-20km(LOS)
- Dimensions: 286\*216\*122mm
- IP Rating: IP67
- Core Technology: MESH

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### More Images

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## Product Description

### Rugged IP67 4W MESH Outdoor Base Station Transceiver Working in 1.4GHz for 5~20km Transmission

#### Product Description

ZKManet2551UM is a high performance, high stability industrial MESH base station product, through the combination of directional, omni, sector and other antenna types, to achieve point-to-multipoint or point-to-point and MESH network and other types of wireless coverage networking, using anti-surge/static, anti-salt spray corrosion, and other advanced industrial design concepts. Can meet all kinds of complex electromagnetic environment and bad weather non-stop work.

#### Features

- \* Support RJ45 network port, IP transparent data transmission
- \* Maximum bandwidth 82Mbps
- \* Rugged: IP67; Anti-surge/static
- \* Long Range up to 5-10km(LOS)
- \* Encryption: AES

#### Quick Deployment

Mesh self-organizing network technology enables rapid mobile deployment, allowing for the establishment of a reliable wireless communication network in a short period of time to meet the timeliness requirements of emergency communications.

#### Strong Stability

Mesh self-organizing network technology features self-healing capabilities, ensuring that even if some devices fail, the entire network can continue to operate stably, preventing communication interruptions.

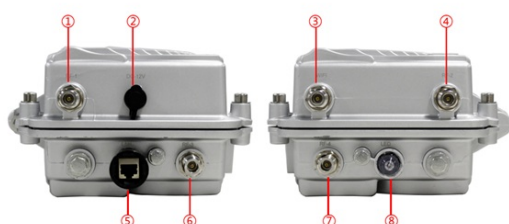
#### High Security

Advanced encryption algorithms and security authentication mechanisms are employed to effectively safeguard the security and confidentiality of communication data, preventing information leakage and malicious attacks.

#### Specifications

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

#### Panel Description



- 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

#### Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005. We focus on the research and development of products for drone defense/control, wireless video transmission, and network security encryption/decryption. With excellent quality and advanced technology, we provide comprehensive network communication solutions to our customers.

Our chief scientist team, led by professors from the Network Security Institute of Wuhan University, has achieved remarkable results in the development of man-in-the-middle platforms for network security. The company currently offers platforms such as a drone denial system platform, long-distance wireless video transmission platform for drones, network encrypted data analysis platform, IPSEC man-in-the-middle platform, and SSH man-in-the-middle analysis platform.

43dBm IP67 Range 10-20km Outdoor Base Station Transceiver

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FAQ

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