



## Multiple Networking Modes Frequency Bands Versatile Base Station Vehicle Mounted Data Link

Our Product Introduction

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### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2571UM
- Minimum Order Quantity: 1 piece
- Price: USD 1099 1299 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

- Working Frequency: 1.4GHz, Customizable
- Working Bandwidth: 5/10/20/40MHz(Typical)
- RF Channel: 2T2R
- Output Power: 43dBm
- Coverage Distance: 20-40KM (Stand Tall)
- Nodes: 64
- Throughout Rate: 82Mbps
- Encryption: AES
- Highlight: **Multiple Networking Modes ZKMANET, Networking Modes Versatile ZKMANET, Vehicle Mounted Data Link**




### More Images






## Product Description

### Multiple Networking Modes Frequency Bands Versatile Base Station Vehicle Mounted Data Link

#### Product Description

The ZKManet2571UM is a robust and reliable outdoor base station designed for high-performance MESH self-organizing networks. It supports various antenna types, including directional, omnidirectional, and sector antennas, enabling point-to-multipoint, point-to-point, and MESH network configurations for diverse wireless coverage needs. Engineered with advanced industrial-grade design principles, it features protection against surges, static electricity, and salt spray corrosion, making it suitable for challenging electromagnetic environments and extreme weather conditions. This ensures continuous operation in all weather scenarios.

#### Detailed Photos

- 1. MESH Antenna Interface 1
- 2. GPS Antenna Interface
- 3. MESH Antenna Interface 2
- 4. MESH Signal Indicator

Indicator Status		Signal Strength	
Red flickers		No device connected	
Red still		Weak signal	
Orange still		Medium signal	
Green still		Strong signal	
SNR	Indicator Color	Topology Color	Topology Value
0	Red flicker	Red	0
<-90	Red still	Red	<-90
-75 to -90	Orange still	Orange	-75 to -90
>-75	Green still	Green	>-75

- 5. RJ45 LAN Port (Waterproof)
- 6. Power Input Port (3 PIN)

#### Features

1. Flexible networking, rapid deployment;
2. Triple-proof design, IP67 protection level, high reliability;
3. Large bandwidth, point-to-point peak bandwidth up to 82Mbps;
4. Full-duplex bidirectional IP transparent data transmission;
5. Device power-on one-button use, no need to configure and change parameters, convenient operation and maintenance.

#### Broadband MESH self-organizing network

Without relying on the base station, it can efficiently and quickly form a centerless wireless broadband network. Support multi-hop relay, can effectively expand the coverage radius of the wireless network. The network has automatic selection of the best routing characteristics, self-organization, self-healing, and automatic realization of chain, star and other network topologies.

#### One machine with multi-mode, ready to use at power on

Any one node device can be used as information collection node, relay node or information output node at the same time, and it can be used immediately after power on to realize data transmission of HD video, voice, image, etc. It is flexible and simple to deploy.

#### All-IP Networking, Easy Interconnection

Provide IP interface to realize interconnection with other IP devices.

Outdoor special design, high reliability, the device adopts special aviation plug interface, IP67 protection level, wide working temperature zone, can be competent in outdoor all-weather harsh working environment.

long-distance coverage, not only as a long-distance coverage of the communication node, but also as a high point to enhance the coverage of the node, to further enhance the system's regional coverage capabilities, extend the coverage distance.

**Independent research and development:** complete core technology and intellectual property rights, can be quickly and flexibly customized according to user needs.

#### Product Parameters

Item No.	ZKManet2571UM	Band	ZKMANET
RF Parameters	Working Frequency	1.4GHz, customizable	
	Working Bandwidth	5/10/20/40MHz(Typical)	
	RF Channel	2T2R	
	Output Power	20W	
	Coverage Distance	20-40KM (Stand Tall)	
Network Parameters	Nodes	64	
	Throughout Rate	82Mbps	
	Encryption	AES	
Physical/Environment	Dimension	304*184*77mm	
	Weight	4.55kg	
	Working Temperature	-20°C~+65°C	
	Protection Rating	IP67	
Electrical Characteristics	Power Supply	AC220V	
	Power Consumption	<80W	

Application

43dBm 1.4GHz 82Mbps High Performance Multi Antenna Outdoor Ground Base Station

FAQ

43dBm 1.4GHz 82Mbps High Performance Multi Antenna Outdoor Ground Base Station

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