

Outdoor Mesh Base Station with 64 Nodes Surge/Static Protection and Salt Spray Corrosion Resistance for Reliable Wireless Data Transmission

Our Product Introduction

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
- Throughput Rate: 82Mbps
- Encryption: AES
- Highlight: 1.4ghz video receiver, video receiver hdmi, video receiver with hdmi




More Images






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Product Description

Wireless Data Transmission - Outdoor Ground Base Station

Product Overview

The ZKManet2571UM is a 43dBm MESH outdoor base station that, when paired with directional, omnidirectional, sector, and other types of antennas, can achieve wireless coverage networking for point-to-multipoint, point-to-point, and MESH self-organizing networks. It features advanced industrial design with surge/static protection and salt spray corrosion resistance to meet demands of complex electromagnetic environments and harsh weather conditions for continuous operation.

Key Features

- High Power of 43dBm
- Data rate up to 82Mbps
- Full transparent IP data transmission
- Rugged IP67 enclosure
- Range up to 20~40km

Technical Specifications

Model	ZKManet2571UM	Brand	ZKMANET
RF Parameters			
Frequency	1.4GHz (Customizable)	Bandwidth	5/10/20/40MHz
RF Channel	2T2R	Output Power	43dBm
Range	20-40km		
Network Parameters			
Network Size	64 Nodes	Data Rate	82Mbps
Encryption	AES		
Physical/Environment			
Dimensions	304*184*77mm	Weight	4.55kg
Working Temp	-20°C~+65°C	IP Rating	IP67
Electrical Parameters			
Power Supply	AC220V	Power Consumption	<80W

Panel Description



- MESH Antenna Interface 1
- GPS Antenna Interface
- MESH Antenna Interface 2
- 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
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RJ45 LAN Port (Waterproof)
Power Input Port (3 PIN)

Applications

Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech R&D enterprise specializing in Mesh, COFDM and LTE technologies. Our products form emergency communication systems for underground buildings, police investigation, noncombat training, urban emergencies, and emergency vehicles. These solutions are widely used by public security, armed police, forest fire prevention, civil air defense, and maritime agencies.

Guided by principles of unity, technological advancement, and service innovation, we deliver high-quality, efficient solutions worldwide with a commitment to "quality first, reputation foremost."

FAQ

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