

## 4W 30km MESH UAV Drone Data Link Radio Transmitter with Light Weight 450g

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: ZKMANET
- Certification: CE,ISO9001
- Model Number: ZKManet2451UM
- Minimum Order Quantity: 1
- Price: USD 9999~10999
- 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 (300MHz-3.8GHz Customizable)
- Bandwidth: 5/10/20/40MHz
- RF Channel: 2T2R
- Output Power: 4W
- Network Capacity: 8 Nodes Customizable
- Data Rate: 82Mbps
- Range: 40-49km (LOS)
- Dimensions: 120\*90\*40mm
- Weight: 450g
- Application: UAV/Drone
- Highlight: 4W UAV drone data link, 30km range drone transmitter, lightweight 450g mesh drone radio



### More Images



## Product Description

### 4W 30km MESH UAV Drone Data Link Radio Transmitter with Light Weight 450g

#### Product Description

ZKManet2451UM is a 4W MESH video data link that can be used in various communication combinations for different usage scenarios. It can be used on moving vehicles, ships, robots, drones, unmanned boats, etc., allowing for easy plug-and-play operation without the need for configuration or parameter changes. It is primarily used for multimedia interconnection between drones and individual soldiers, and between individual soldiers and base stations.

#### Features

- \* Full transparent IP data transmission
- \* Long Range up to 49km (LOS)
- \* Support to 8 nodes customizable and 82Mbps
- \* Support LAN Port and TTL Port
- \* Small size and Light weight

#### Specifications

Model	ZKManet2451UM	
RF parameters	Frequency	1400-1460MHz (300MHz-3.8GHz Customizable)
	Bandwidth	5/10/20/40MHz
	RF Channel	2T2R
	Output Power	4W
Network parameters	Network capacity	8 nodes customizable
	Date Rate	82Mbps
	Encryption	AES
	Range	40-49 km (LOS)
Physics/Environment	Dimensions	113*84*38mm
	Weight	450g
	Working Temp	-40°C~+65°C
	IP Rating	IP54
Electrical parameters	Power supply	DC12-24V
	Power Consumption	<12W
	Data Interface	Support
Other	LAN Port	Support
	TTL Port	Support

#### Panel Description

1. MESH antenna interface, SMA F
2. HDMI input interface
3. MESH antenna interface, SMA F
4. LAN/TTL interface (J30J-15TJ connector, PIN 1, 2, 3 and 4 for LAN, PIN 5, 6 and 7 for TTL GND, TX and RX)
5. Power input interface

#### Application

4W Frequencies 300-3800MHz Customizable Uav Drone Data Link Radio Transmitter

#### Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd is a high-tech research and development enterprise. Our products primarily leverage Mesh, COFDM and LTE technologies, along with supporting decision-making software, to create emergency communication systems for underground facilities, and police investigations, non-combat training, urban emergencies, and communication vehicles. These solutions are designed for law enforcement agencies and government departments, including public security, armed police, , forest fire prevention, civil defense, and maritime operations. Notably, our intelligent communication products for specialized robots address the challenges of long-distance communication and control in complex environments.

We provide design and development services for internet big data collection and analysis products and application solutions to large enterprises and institutions with confidentiality needs. Additionally, we offer sales of network security equipment and information security technical services. Our products are widely used by law enforcement forces and government departments such as public security, armed police, , forest fire prevention, civil air defense, and maritime affairs.

4W Frequencies 300-3800MHz Customizable Uav Drone Data Link 4W Frequencies 300-3800MHz Customizable Uav Drone Data

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