

## IP54 Rated Drone Data Link With 5/10/20/40MHz Bandwidth And DC12-24V Power Supply For Long-Distance Data Transmission

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE
- Model Number: ZKMANET2451UM
- Minimum Order Quantity: 1
- Price: 1500USD/PC
- Packaging Details: Carton
- Delivery Time: 15days
- Payment Terms: TT
- Supply Ability: 10000pcs/year




### Product Specification

- Encryption: AES
- Data Rate: 30Mbps(MAX)
- Type: Drone MESH Video Link
- Weight: 450g
- Output Power: 4W
- Bandwidth: 5/10/20/40MHz
- IP Rating: IP54
- Power Supply: DC12-24V
- Highlight: IP54 Rated Drone Data Link,  
DC12-24V Drone Data Link,  
5/10/20/40MHz Drone Data Link




### More Images








## Product Description



### Product Description:

With a bandwidth of 5/10/20/40MHz, the Drone Data Link can deliver high-quality data streams, including video, audio, and telemetry, with low latency and high accuracy. The transmission range of up to 50km (LOS) ensures that the data link can cover a wide area and maintain a stable connection, even in challenging environments.

One of the key features of the Drone Data Link is its advanced encryption system. The data link uses AES encryption to protect the data from unauthorized access, ensuring that sensitive information remains secure during transmission. This makes the Drone Data Link an ideal solution for applications that require high levels of data security, such as military operations, border surveillance, and critical infrastructure protection.

The Drone Data Link is also designed to be highly efficient in terms of power consumption, with a power consumption of less than 12w. This means that it can operate for extended periods without the need for frequent battery replacement, making it a cost-effective solution for long-range drone operations.

The working temperature of the Drone Data Link is between -40°C and +65°C, making it suitable for use in a wide range of environments, including extreme weather conditions. Its rugged design ensures that it can withstand harsh conditions, making it an ideal solution for applications such as search and rescue, disaster response, and environmental monitoring.

In summary, the Drone Data Link is a high-performance and secure Autonomous Airborne Data Relay System that provides reliable and real-time communication between drones and ground stations. With its advanced encryption system, high bandwidth, long-range transmission, and low power consumption, the Drone Data Link is an ideal solution for a wide range of applications that require secure and efficient data transmission.

### Features:

Product Name: Drone Data Link

Output power: 4W

RF Channel: 2T2R

Interface: LAN/TTL;HDMI

Bandwidth: 5/10/20/40MHz

Encryption: AES

The Drone Data Link is a powerful and reliable communication and data transmission link designed specifically for drones and unmanned aerial vehicles (UAVs). With its 4W output power and 2T2R RF channel, this UAV data relay and control link provides a secure and stable drone wireless data transfer solution. The Drone Data Link supports various interfaces such as LAN/TTL and HDMI, and offers bandwidth options of 5/10/20/40MHz. The data transmitted via this link is encrypted using AES encryption, ensuring the safety and privacy of your drone data.

### Technical Parameters:

Product Attribute	Specification
Product Name	Drone Communication and Data Transmission Link
Interface	LAN/TTL; HDMI
RF Channel	2T2R
Power consumption	<12w

Weight	450g
Frequency Band	300MHz-3.8GHz (Customizable)
Size	120*90*40mm
Bandwidth	5/10/20/40MHz
IP Rating	IP54
Working Temperature	-40°C- +65°C
Encryption	AES
Product Description	The Drone Data Link is an Autonomous Airborne Data Relay System for Aerial Robot Data Exchange Connection. It enables seamless communication and data transmission between drones and ground stations under various conditions.

### Applications:

The ZKMANET2451UM is an essential tool for any operator of an Unpiloted Flying Machine Data Link. It can transmit high-quality video and data with a maximum data rate of 30Mbps. The RF Channel is 2T2R, which ensures that the data link is both stable and secure. This product is compact and measures 120\*90\*40mm, making it easy to install and transport. The power supply required is DC12-24V, which is standard in most UAVs. The minimum order quantity is 1, and the price is 1500USD/PC. The packaging details are a carton, and the delivery time is 15days. Payment terms are TT, and the supply ability is 10000pcs/year.

The ZKMANET2451UM Drone MESH Video Link is suitable for a range of applications. It can be used for aerial photography, surveying, and mapping. It is also ideal for search and rescue missions and monitoring wildlife and livestock. In addition, this product can be used for security and surveillance, providing real-time video and data to operators on the ground.

Overall, the ZKMANET2451UM Drone MESH Video Link is an essential component of any Unmanned Aerial Vehicle Data Communication System. It provides a stable and secure UAV Data Relay and Control Link, ensuring the safe and efficient operation of unpiloted flying machines.

### Customization:

### Support and Services:

The Drone Data Link product offers technical support and services to ensure the smooth operation and maintenance of the product. Our team of experts is available to assist with any technical issues that may arise, providing troubleshooting advice and solutions. We also offer training services to help users get the most out of the product and optimize its performance. In addition, we provide regular software updates to ensure that the product stays up-to-date with the latest industry trends and technological advancements. Our goal is to provide exceptional support and services that enable our customers to use the Drone Data Link with confidence and ease.

### Packing and Shipping:

Product Packaging:

[1 x Drone Data Link](#)

[1 x User Manual](#)

[1 x USB Cable](#)

[1 x Antenna](#)

Shipping Information:

[Shipping Method: Standard Shipping](#)

[Expected Delivery Time: 5-7 business days](#)

[Shipping Cost: Free](#)

### FAQ:

**Q: What is the brand name of the drone data link product?**

A: The brand name of the drone data link product is ZKMANET.

**Q: What is the model number of the drone data link product?**

A: The model number of the drone data link product is ZKMANET2451UM.

**Q: Where is the drone data link product manufactured?**

A: The drone data link product is manufactured in Shenzhen.

**Q: Is the drone data link product certified?**

A: Yes, the drone data link product is certified with CE.

**Q: What is the minimum order quantity for the drone data link product?**

A: The minimum order quantity for the drone data link product is 1.

**Q: What is the price of the drone data link product?**

A: The price of the drone data link product is 1500 USD/PC.

**Q: What are the packaging details for the drone data link product?**

A: The packaging details for the drone data link product are carton.

**Q: What is the delivery time for the drone data link product?**

A: The delivery time for the drone data link product is 15 days.

**Q: What are the payment terms for the drone data link product?**

A: The payment terms for the drone data link product are TT.

**Q: What is the supply ability of the drone data link product?**

A: The supply ability of the drone data link product is 10000pcs/year.

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



+86 13266718951



Info@chinamanet.com



zkmanet.com

203-B161, Block B, Garden City Digital Building, No.1079 Nanhai Avenue, Yanshan Community, Merchants  
Street, Nanshan District, Shenzhen, China