5/10/20/40MHz Bandwidth Drone Data Link with 4W Output Power and MESH Video Link

Our Product Introduction

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)
- Weight: 450g
- Frequency Band: 300MHz-3.8GHz Customizable)
- Working Temp: -40℃- +65℃
- Interface: LAN/TTL;HDMI
- Transmission Range: 50km (LOS)
- IP Rating: IP54
- Highlight: **4W Drone Data Link**,

  MESH Video Drone Data Link

More Images

Product Description

Product Description:

One of the major advantages of the Drone Data Link product is its bandwidth, which is available in 5/10/20/40MHz. This feature enables UAVs to transmit large amounts of data in real-time, ensuring that the operator is always up-to-date with the aircraft's movements and activities.

The Drone Data Link is built to withstand extreme weather conditions, with a working temperature range of -40℃ to +65℃. This makes it an ideal solution for UAVs operating in harsh environments.

Security is a top priority when it comes to UAV data linkage, and the Drone Data Link product delivers in this regard. It features Advanced Encryption Standard (AES) technology, which ensures that all data transmitted between the aircraft and the operator is secure and cannot be intercepted or compromised.

The Drone Data Link product also boasts a high output power of 4W, which provides a strong and reliable signal even in areas with weak network coverage. This ensures that the operator can maintain control of the UAV at all times, without any loss of connection.

In summary, the Drone Data Link product is a state-of-the-art system that provides efficient and reliable data linkage for Uncrewed Aerial Vehicles or remote controlled aircraft. With its customizable frequency band, flexible bandwidth, wide working temperature range, AES encryption technology and high output power, this product is a must-have for any operator looking to maintain a strong and secure connection with their UAV.

Features:

Product Name: Drone Data Link
Type: Drone MESH Video Link
Encryption: AES
Weight: 450g
Size: 120*90*40mm
Data rate: 30Mbps(MAX)

Drone Data Link is an Autonomous Airborne Data Relay System that allows for secure communication between Unpiloted Flying Machine Data Link and Remote Controlled Aircraft Data Network. The Drone MESH Video Link uses AES encryption to ensure the safety of transmitted data. With a weight of 450g and size of 120*90*40mm, it provides a data rate of 30Mbps(MAX).

Technical Parameters:

RF Channel	2T2R
Output power	4W
Type	Drone MESH Video Link
Transmission Range	50km (LOS)
Power consumption	<12w
Data rate	30Mbps(MAX)
Working Temp	-40℃- +65℃
Encryption	AES
Interface	LAN/TTL;HDMI
Size	120*90*40mm

This table shows the technical parameters of a Drone Data Link product. It is an important component of an Unmanned Aerial Vehicle Data Communication System, providing a reliable Aerial Robot Data Exchange Connection and Remote Controlled Aircraft Data Network. The product features a 2T2R RF Channel, 4W output power, and a transmission range of 50km (LOS). It has a low power consumption of less than 12w and a high data rate of 30Mbps (MAX). The product can operate in a wide temperature range from -40℃- +65℃ and features AES encryption. It has a LAN/TTL and HDMI interface and comes in a compact size of 120*90*40mm.

Applications:

The ZKMANET2451UM Drone Data Link is ideal for a wide range of applications and scenarios. It can be used in the military for reconnaissance and surveillance missions, disaster management operations, and border patrol. It can also be used in industries such as agriculture, mining, and construction, where aerial surveys and inspections are required.
With its LAN/TTL and HDMI interfaces, the ZKMANET2451UM Drone Data Link can easily connect to various types of unmanned aerial vehicles, providing high-quality video transmission and control signals. Its 2T2R RF channel and 50km transmission range (LOS) make it ideal for long-range and complex missions.
Safety and security are paramount in the ZKMANET2451UM Drone Data Link. It comes with AES encryption to ensure secure data transmission and protection against unauthorized access. The product is also certified with CE and has a minimum order quantity of one unit with a price of 1500USD/PC. Packaging details include a carton, and delivery time is 15 days after payment is received.
The ZKMANET2451UM Drone Data Link is manufactured in Shenzhen, China, and has a supply ability of 10000pcs/year. It can operate at extreme temperatures, ranging from -40℃ to +65℃, making it suitable for use in various climates and environments.
In conclusion, the ZKMANET2451UM Drone Data Link is an essential tool for anyone who needs a reliable and efficient drone communication and data transmission link. With its advanced features, it is perfect for use in a wide range of applications and scenarios, including military, disaster management, agriculture, mining, and construction.

Customization:

Our Drone Data Link offers versatile interface options, including LAN/TTL and HDMI. The frequency band ranges from 300MHz to 3.8GHz, which is fully customizable to meet your specific requirements. Our output power is 4W, providing a reliable and strong signal for all your data transmission needs. The transmission range of up to 50km (LOS) ensures that you can collect and transmit data from even the most remote areas.
Our Drone Data Link is designed with durability and reliability in mind, with an IP54 rating to protect against dust and water ingress. Our Autonomous Airborne Data Relay System is perfect for any mission-critical applications, providing a secure and reliable connection for your aerial robot data exchange needs.

Support and Services:

The Drone Data Link product technical support and services include:
Assistance with product setup and installation
Troubleshooting technical issues
Providing software and firmware updates
Offering repair and replacement services for faulty products
Providing training and resources for product use and maintenance

Packing and Shipping:

Product Packaging:
The Drone Data Link product comes in a sturdy cardboard box with the product name and image printed on it. Inside the box, you will find the Drone Data Link device, a user manual, and a USB charging cable.
Shipping:
The Drone Data Link product will be shipped via standard shipping methods. It will be securely packaged in a cardboard box with appropriate padding to protect it during transit. Shipping times may vary depending on your location and the shipping method selected.

FAQ:

Frequently Asked Questions for ZKMANET Drone Data Link
Q: What is the model number of ZKMANET Drone Data Link?
A: The model number of ZKMANET Drone Data Link is ZKMANET2451UM.
Q: Where is ZKMANET Drone Data Link manufactured?
A: ZKMANET Drone Data Link is manufactured in Shenzhen.
Q: What certifications does ZKMANET Drone Data Link have?
A: ZKMANET Drone Data Link is CE certified.
Q: What is the minimum order quantity for ZKMANET Drone Data Link?
A: The minimum order quantity for ZKMANET Drone Data Link is 1.
Q: What is the price of ZKMANET Drone Data Link?
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Q: What are the packaging details for ZKMANET Drone Data Link?
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Q: What are the payment terms for ZKMANET Drone Data Link?
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