

## Seamless Data Exchange with Unmanned Aerial Vehicle Data Communication System -20°C To 60°C IFS Support

### Our Product Introduction

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#### Basic Information

- Place of Origin: China
- Brand Name: ZKMANET
- Certification: CE
- Model Number: ZKMANET2421UM
- Minimum Order Quantity: 2
- Price: 999USD/PC
- Packaging Details: Carton
- Delivery Time: 5-15days
- Payment Terms: TT
- Supply Ability: 100000pcs/year



#### Product Specification

- Network Capability: 8 Nodes (Customizable)
- Movement Speed: >1000km/h
- Frequency Hopping: Support
- IFS: Support
- Frequencies: 800MHZ, 1400MHZ, 2400MHZ
- Transmission Distance: 5-12 Km
- IP Rating: IP65
- Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)



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## Product Description

### Product Description:

The Drone Data Link product is an essential component of an Autonomous Airborne Data Relay System, providing seamless communication between remote controlled aircraft and ground stations. With its advanced features and capabilities, this data link system ensures reliable and secure transmission of data over long distances.

Key Features:

**Total Port Support:** This product offers support for multiple ports, allowing for versatile connectivity options.

**Receive Sensitivity:** With a sensitivity of  $-100\text{dBm}@2.5\text{MHz}$ , the system can efficiently receive data even in challenging environments.

**IP Rating:** The IP65 rating ensures that the system is protected against dust and water ingress, making it suitable for outdoor use.

**RF Waveform:** The 1T2R RF waveform technology enables efficient data transmission and reception.

**Transmission Distance:** The system supports transmission distances ranging from 5 to 12 kilometers, ensuring reliable long-range communication.

The Drone Data Link product serves as a vital link in the Unpiloted Flying Machine Data Link ecosystem, enabling seamless communication between drones and their operators. Whether used for surveillance, mapping, or other applications, this data link system ensures that critical information is transmitted accurately and without interference.

Designed for reliability and performance, this data link system is equipped to handle the demands of modern drone operations. Its advanced technology and robust construction make it an ideal choice for operators seeking a dependable solution for their communication needs.

With its support for multiple ports, high receive sensitivity, and long transmission distance, the Drone Data Link product offers unmatched versatility and performance. Whether operating in challenging environments or over vast distances, this system ensures that data is transmitted securely and efficiently.

Overall, the Drone Data Link product is a reliable and efficient solution for establishing a Remote Controlled Aircraft Data Network. Its advanced features and capabilities make it an essential component for operators looking to enhance the communication capabilities of their unmanned aerial vehicles.

### Applications:

ZKMANET Drone Data Link (Model: ZKMANET2421UM) is a cutting-edge product designed to provide reliable and efficient data connectivity for remote controlled aircraft systems. Manufactured in China, this product is CE certified, ensuring high quality and compliance with international standards.

With a minimum order quantity of 2 units and priced at 999USD per piece, the ZKMANET Drone Data Link comes in carton packaging and has a delivery time of 5-15 days. Payment terms for this product are TT (Telegraphic Transfer), and the supply ability is 100,000 pieces per year.

Equipped with frequencies of 800MHz, 1400MHz, and 2400MHz, the ZKMANET Drone Data Link operates on a 1T2R RF waveform, supporting frequency hopping and IFS capabilities. Its operating temperature range of  $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  makes it suitable for a variety of environmental conditions.

The ZKMANET Drone Data Link is ideal for a range of product application occasions and scenarios, including Remote Controlled Aircraft Data Network, Uncrewed Aerial Vehicle Data Linkage, and Remotely Piloted Aircraft Data Link. Its advanced features and reliable performance make it a valuable asset for drone operators, surveillance missions, aerial photography, and other applications requiring secure and stable data transmission.

### Customization:

Product Customization Services for the Drone Data Link:

Brand Name: ZKMANET

Model Number: ZKMANET2421UM

Place of Origin: China

Certification: CE

Minimum Order Quantity: 2

Price: 999USD/PC

Packaging Details: Carton

Delivery Time: 5-15days

Payment Terms: TT

Supply Ability: 100000pcs/year

IFS: Support

Network Capability: 8 Nodes (Customizable)

Frequency Hopping: Support

Operating Temperature:  $-20^{\circ}\text{C}$  To  $60^{\circ}\text{C}$

Receive Sensitivity:  $-100\text{dBm}@2.5\text{MHz}$

Keywords: Drone Communication and Data Transmission Link, Unpiloted Flying Machine Data Link, Autonomous Airborne Data Relay System

### Support and Services:

Our Product Technical Support team for the Drone Data Link is dedicated to providing assistance with any technical issues you may encounter while using our product. Our team of experts is available to help troubleshoot and resolve any issues to ensure you have a

seamless experience.

In addition to technical support, we also offer a range of services to enhance your experience with the Drone Data Link product. These services include installation assistance, product training, and maintenance support to help you maximize the performance and longevity of your product.

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