

1T2R RF Waveform Remote Controlled Aircraft Data Network Speed Movement Movement Speed 1000km/h

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

- Transmission Distance: 5-12 Km
- Interface: RF LAN DC Charger
- Receive Sensitivity: -100dBm@2.5MHz
- Movement Speed: >1000km/h
- RF Waveform: 1T2R
- Network Capability: 8 Nodes (Customizable)
- IP Rating: IP65
- IFS: Support



More Images



Product Description

Product Description:

The Drone Data Link is a cutting-edge product designed to provide a reliable and efficient solution for drone wireless data transfer. This system serves as an essential component for an Autonomous Airborne Data Relay System, ensuring seamless communication between UAVs and ground control stations.

Key Features:

Receive Sensitivity: -100dBm@2.5MHz

Ttl Port: Support

Frequencies: 800MHz, 1400MHz, 2400MHz

Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)

Interface: RF LAN DC Charger

The Drone Data Link is equipped with advanced technology to ensure high-quality data transmission even in challenging environments. With a receive sensitivity of -100dBm@2.5MHz, this system offers exceptional performance in capturing and processing data from UAVs. The support for Ttl Port enables seamless integration with various devices, enhancing the overall functionality of the data link.

Operating across frequencies of 800MHz, 1400MHz, and 2400MHz, the Drone Data Link provides flexibility and versatility in establishing communication links with UAVs operating on different bands. The modulation types available, including BPSK, QPSK, 16QAM, and 64QAM, ensure adaptability to varying signal conditions, optimizing data transfer efficiency.

Designed with an RF LAN DC Charger interface, the Drone Data Link offers a user-friendly connection setup for charging and data transfer processes. This interface enhances the convenience of managing the system, enabling users to maintain and operate the data link with ease.

Overall, the Drone Data Link serves as a reliable UAV Data Relay and Control Link, facilitating seamless communication between drones and ground control stations. With its advanced features and robust performance capabilities, this product is a valuable asset for drone operators seeking a dependable wireless data transfer solution.

Applications:

The Drone Data Link by ZKMANET is versatile and can be used in various product application occasions and scenarios. One common application is in aerial photography and videography, where the data link ensures seamless communication between the drone and the ground station, allowing for real-time monitoring and control. This is especially useful in capturing high-quality images and videos for professional purposes.

Another important application of the ZKMANET Drone Data Link is in precision agriculture. By providing a reliable data transmission link, farmers can use drones equipped with this system to collect data on crop health, soil conditions, and irrigation needs. This information enables precise decision-making and optimization of farming practices.

In the field of search and rescue operations, the Drone Data Link plays a crucial role in enabling drones to transmit live video feeds and sensor data to the rescue team. This allows for quick assessment of the situation and aids in locating missing persons or assessing disaster-affected areas.

Furthermore, the ZKMANET Drone Data Link is also ideal for infrastructure inspection and monitoring. Drones equipped with this system can efficiently gather data on bridges, power lines, and other structures, helping to identify potential issues and ensure timely maintenance.

Overall, with a transmission distance of 5-12 km, operating temperature range of -20°C to 60°C, and receive sensitivity of -100dBm@2.5MHz, the ZKMANET Drone Data Link is a reliable and efficient tool for various industries. With a minimum order quantity of 2 and priced at 999USD/PC, this product comes packaged in cartons and has a delivery time of 5-15 days. Payment terms are TT, and ZKMANET has a supply ability of 100,000 pcs/year. The interface includes RF LAN DC Charger, and the product supports IFS.

Customization:

For our ZKMANET Drone Data Link product, we offer comprehensive Product Customization Services to meet your specific needs:

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- Supply Ability: 100,000 pcs/year
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- Transmission Distance: 5-12 Km
- RF Waveform: 1T2R

Enhance your Drone Wireless Data Transfer Solution with our ZKMANET2421UM Unpiloted Flying Machine Data Link. Our Uncrewed Aerial Vehicle Data Linkage offers advanced features to optimize your operations.

Support and Services:

Our Product Technical Support and Services for the Drone Data Link include:

- 24/7 technical support via phone, email, and live chat
- Troubleshooting assistance for hardware and software issues
- Remote diagnostics and configuration support
- Software updates and patches for improved performance and security
- On-site repair and maintenance services
- Training programs for users and administrators

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