

5-12 Km Transmission Distance Drone Data Link Modulation Type and BPSK/QPSK/16QAM/64QAM Modulation in -20°C To 60°C

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

- Receive Sensitivity: -100dBm@2.5MHz
- Interface: RF LAN DC Charger
- Frequency Hopping: Support
- Transmission Distance: 5-12 Km
- Ttl Port: Support
- Movement Speed: >1000km/h
- Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)
- Network Capability: 8 Nodes (Customizable)



More Images



Product Description

Product Description:

The Drone Data Link product is an essential component for establishing a reliable Aerial Robot Data Exchange Connection. Designed to facilitate seamless communication between various components of a drone system, this data link offers exceptional performance and versatility.

One of the key features of the Drone Data Link is its impressive Receive Sensitivity of $-100\text{dBm}@2.5\text{MHz}$, ensuring that it can effectively capture and process data even in challenging environments. This makes it an ideal choice for use in Remote Controlled Aircraft Data Networks where reliable data transmission is crucial.

With support for IFS, the Drone Data Link is capable of efficiently managing interference from other sources, maintaining a stable connection throughout operations. This is particularly important in Unmanned Aerial Vehicle Data Communication Systems where signal integrity is paramount.

The interface options provided by the Drone Data Link include RF LAN and DC Charger, offering flexibility in connecting to different devices and power sources. This versatility allows for seamless integration into existing drone systems, enhancing overall performance. Operating across multiple frequencies including 800MHz, 1400MHz, and 2400MHz, the Drone Data Link ensures compatibility with a wide range of communication protocols and standards. This broad frequency support is essential for ensuring reliable data exchange in diverse operational scenarios.

Furthermore, the Drone Data Link features Ttl Port support, enabling easy connection to devices that utilize this communication protocol. This simplifies the integration process and enhances the overall efficiency of data transmission within the drone system.

In conclusion, the Drone Data Link is a reliable and versatile solution for establishing robust data connections in drone systems. With its advanced features and compatibility with various frequencies and interfaces, it serves as a critical component in facilitating efficient communication within Aerial Robot Data Exchange Connections, Remote Controlled Aircraft Data Networks, and Unmanned Aerial Vehicle Data Communication Systems.

Applications:

ZKMANET Drone Data Link (Model: ZKMANET2421UM) is a cutting-edge product designed for the transmission of data in Unmanned Aerial Vehicle (UAV) systems. This product, originating from China, boasts a CE certification, ensuring its quality and compliance with international standards.

With a transmission distance of 5-12 km and an operating temperature range of -20°C to 60°C , the ZKMANET Drone Data Link is ideal for a wide range of applications. Its RF waveform of 1T2R and support for IFS make it a reliable choice for Uncrewed Aerial Vehicle Data Linkage scenarios.

Whether it's for monitoring, surveillance, mapping, or any other UAV-related tasks, the ZKMANET Drone Data Link provides a seamless and secure Remote Controlled Aircraft Data Network. The product's bandwidth options of 1.4/3/5/10/20MHz ensure flexibility and adaptability to various communication needs.

When you purchase the ZKMANET Drone Data Link, the minimum order quantity is 2 units, priced at 999USD per unit. The product is packaged securely in cartons for safe delivery, which takes approximately 5-15 days. Payment terms are via TT, and with a supply ability of 100,000 units per year, you can rely on the ZKMANET Drone Data Link for your UAV data communication requirements.

Customization:

Product Customization Services for the Drone Data Link product:

Brand Name: ZKMANET

Model Number: ZKMANET2421UM

Place of Origin: China

Certification: CE

Minimum Order Quantity: 2

Price: 999USD/PC

Packaging Details: Carton

Delivery Time: 5-15 days

Payment Terms: TT

Supply Ability: 100,000 pcs/year

IP Rating: IP65

RF Waveform: 1T2R

Movement Speed: $>1000\text{ km/h}$

Transmission Distance: 5-12 km

Frequency Hopping: Support

Keywords: Aerial Robot Data Exchange Connection, Remote Controlled Aircraft Data Network, Remotely Piloted Aircraft Data Link

Support and Services:

The Drone Data Link product offers comprehensive Product Technical Support and Services to ensure smooth operation and optimal performance. Our team of experts is available to provide assistance with installation, troubleshooting, and general inquiries regarding the product. Additionally, we offer maintenance services to keep your drone data link system updated and functioning at its best.

