Autonomous Airborne Data Relay System With 25dBm Output Power And 1.4MHz Bandwidth Seamless Connectivity Guaranteed

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen
- Brand Name: ZKMANET
- Certification: CE
- Model Number: ZKMANET2421UM
- Minimum Order Quantity: 1
- Price: 500USD/PC
- Packaging Details: Carton
- Delivery Time: 15days
- Payment Terms: TT
- Supply Ability: 10000pcs/year

Product Specification

- Transmission Range: 15km (LOS)
- Working Temp: -40℃- +65℃
- Weight: 124g
- Power Supply: DC12V
- Size: 102*52*21.5mm
- Data Rate: 30Mbps(MAX)
- Encryption: ZUC/SNOW3G/AES Optional
- Output Power: 25dBm
- Highlight: **25dBm Airborne Data Relay System**,
  Autonomous Airborne Data Relay System,
  1.4MHz Airborne Data Relay System

More Images

Product Description

Product Description:

The Drone Data Link comes equipped with an array of features that make it a reliable and efficient choice for any drone data transfer needs. The device has LAN interfaces, including RJ45*2 and TTL*1, which provide stable connections for data transfer. The device's RF Channel is 1T2R, ensuring a strong signal transmission and reception between the drone and the ground control station. This makes it an ideal choice for long-range drone operations.

One of the most impressive features of the Drone Data Link is its output power, which is 25dBm. This high output power ensures that data is transmitted quickly and efficiently, even over long distances. Additionally, the device supports ZUC/SNOW3G/AES encryption options, providing a secure data transfer solution that protects against unauthorized access.

The Drone Data Link is also lightweight, weighing in at just 124g, making it easy to mount on any drone without adding significant weight or affecting the drone's flight performance. With its robust design and performance, the Drone Data Link is an essential tool for any drone operator who needs to transmit data wirelessly from a drone to a ground control station.

Features:

Product Name: Drone Data Link

Type: Drone MESH Video Link

Data rate: 30Mbps(MAX)

Weight: 124g

Encryption: ZUC/SNOW3G/AES Optional

Working Temp: -40℃- +65℃

Drone Data Link is a UAV Data Relay and Control Link that allows for Drone Communication and Data Transmission Link. It provides a Remote Controlled Aircraft Data Network with a high data rate of 30Mbps(MAX). The device is lightweight, weighing only 124g, and offers optional encryption using ZUC, SNOW3G, or AES. It can withstand temperatures ranging from -40℃- +65℃, making it suitable for use in various environments.

Technical Parameters:

Product Attribute	Technical Parameter
Type	Drone MESH Video Link
Encryption	ZUC/SNOW3G/AES Optional
RF Channel	1T2R
Output Power	25dBm
Power Supply	DC12V
Transmission Range	15km (LOS)
LAN Interface	RJ45*2,TTL*1
Data Rate	30Mbps(MAX)
Power Consumption	<5w
Bandwidth	1.4/3/5/10/20MHz

This product is a UAV Data Relay and Control Link, a part of the Unmanned Aerial Vehicle Data Communication System, and a Remote Controlled Aircraft Data Network.

Applications:

With a data rate of 30Mbps(MAX), this Drone MESH Video Link is capable of transmitting large amounts of data at a fast speed. The product weighs 124g, making it lightweight and easy to carry. It has a power consumption of less than 5w, which is energy-efficient and cost-effective.

The ZKMANET2421UM has a transmission range of 15km (LOS), making it perfect for long-distance aerial surveys, monitoring, and inspection. It provides high-quality video transmission and a stable signal, ensuring that you receive real-time updates and can make informed decisions.

The product is supplied with a minimum order quantity of 1 and costs 500USD/PC. It is packaged in cartons and has a delivery time of 15 days. Payment terms are TT, and the supply ability is 10000pcs/year.

The ZKMANET2421UM is perfect for use in various scenarios such as agriculture, industrial inspection, public safety, and search and rescue. It can be used to monitor crops, inspect solar panels, ensure public safety, and search for missing persons. It is also ideal for surveying inaccessible areas and inspecting infrastructure such as bridges and power lines.

Customization:

Our product is perfect for Uncrewed Aerial Vehicle Data Linkage, Remotely Piloted Aircraft Data Link, and Unmanned Aerial Vehicle Data Communication System.

The ZKMANET2421UM model is made in Shenzhen and certified with CE. It has a minimum order quantity of 1 and costs 500USD/PC. The packaging details are carton, and the delivery time is 15 days. Payment terms are TT, and supply ability is 10000pcs/year.

The LAN interface includes RJ45*2 and TTL*1. The frequency band is 800MHz/1.4GHz/2.4GHz, and the data rate is 30Mbps(MAX). The bandwidth is 1.4/3/5/10/20MHz, and the working temperature ranges from -40℃ to +65℃.

Support and Services:

The Drone Data Link product comes with a comprehensive technical support system that includes:

24/7 customer service

Online FAQ and troubleshooting guides

Expert technical assistance for installation and setup

Regular software updates and patches

In addition, we offer a range of services to enhance and customize your experience with the Drone Data Link product:

Customizable data management and analysis tools

Integration with third-party software and hardware

Professional training and certification programs

On-site consultation and installation services

Packing and Shipping:

Product Packaging:

The Drone Data Link product will be packaged in a sturdy cardboard box to ensure safe transportation. The box will also have cushioning material inside to protect the product from any damage during shipping. The product will be sealed in a plastic wrap to prevent any dust or moisture from entering the box.

Shipping:

The Drone Data Link product will be shipped via a reliable courier service that provides tracking information. The shipping cost will be calculated based on the destination and the weight of the package. The product will be shipped within 1-2 business days of receiving the order and will be delivered within the estimated delivery time provided by the courier service.

FAQ:

Frequently Asked Questions for ZKMANET2421UM Drone Data Link

Q: What is the range of ZKMANET2421UM Drone Data Link?
A: The range of ZKMANET2421UM Drone Data Link is up to 5 kilometers.

Q: Is ZKMANET2421UM Drone Data Link compatible with all drone models?
A: ZKMANET2421UM Drone Data Link is compatible with most drone models, but we recommend checking with the manufacturer of your drone to confirm compatibility.

Q: What certifications does ZKMANET2421UM Drone Data Link have?
A: ZKMANET2421UM Drone Data Link is CE certified, ensuring that it meets EU safety, health, and environmental protection standards.

Q: What is the delivery time for ZKMANET2421UM Drone Data Link?
A: The delivery time for ZKMANET2421UM Drone Data Link is 15 days.

Q: What are the payment terms for purchasing ZKMANET2421UM Drone Data Link?
A: The payment terms for purchasing ZKMANET2421UM Drone Data Link are TT (Telegraphic Transfer).

Q: What is the minimum order quantity for ZKMANET2421UM Drone Data Link?
A: The minimum order quantity for ZKMANET2421UM Drone Data Link is 1.

Q: What is the price of ZKMANET2421UM Drone Data Link?
A: The price of ZKMANET2421UM Drone Data Link is 500USD/PC.

Q: What is the supply ability of ZKMANET2421UM Drone Data Link?
A: The supply ability of ZKMANET2421UM Drone Data Link is 10000pcs/year.

Q: Where is ZKMANET2421UM Drone Data Link manufactured?
A: ZKMANET2421UM Drone Data Link is manufactured in Shenzhen.

Q: What is the packaging detail for ZKMANET2421UM Drone Data Link?
A: ZKMANET2421UM Drone Data Link is packaged in a carton.