

15km Transmission Range Drone Communication and Data Transmission Link for Long-Distance Operations

Our Product Introduction

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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

- Weight: 124g
- Output Power: 25dBm
- Frequency Band: 800MHz/1.4GHz /2.4GHz
- Bandwidth: 1.4/3/5/10/20MHz
- LAN Interface: RJ45*2,TTL*1
- Type: Drone MESH Video Link
- Power Supply: DC12V
- Transmission Range: 15km (LOS)
- Highlight: **Drone Communication and Data Transmission Link**
, Long-Distance Drone Data Link,
15km Transmission Range Drone Data Link



More Images



Product Description



Product Description:

The Drone Data Link operates on three different frequency bands - 800MHz, 1.4GHz, and 2.4GHz, ensuring that you can use it in almost any environment. With a power consumption of less than 5W, the Drone Data Link is highly efficient and won't put a strain on your drone's battery life.

One of the most impressive features of the Drone Data Link is its transmission range of up to 15km (LOS). This means that you can fly your drone further than ever before and still maintain a strong connection to your drone's video and telemetry data.

Measuring just 102*52*21.5mm in size, the Drone Data Link is compact and lightweight, making it easy to install on your drone without adding unnecessary weight or bulk.

The Drone Data Link is a Drone MESH Video Link, which means that it can connect multiple drones together to create a mesh network. This allows you to share video and telemetry data between multiple drones, improving situational awareness and making it easier to coordinate complex missions.

Features:

Product Name: Drone Data Link

Size: 102*52*21.5mm

Data rate: 30Mbps(MAX)

Weight: 124g

Type: Drone MESH Video Link

Transmission Range: 15km (LOS)

This product serves as a UAV Data Relay and Control Link. It is an Autonomous Airborne Data Relay System that can be used as a Remote Controlled Aircraft Data Network.

Technical Parameters:

Size	102*52*21.5mm
Output power	25dBm
RF Channel	1T2R
Frequency Band	800MHz/1.4GHz /2.4GHz
Data rate	30Mbps(MAX)
LAN interface	RJ45*2,TTL*1
Encryption	ZUC/SNOW3G/AES Optional
Type	Drone MESH Video Link
Power Supply	DC12V
Transmission Range	15km (LOS)

This table shows the technical parameters of the Drone Wireless Data Transfer Solution, a UAV Data Relay and Control Link, also known

as a Remotely Piloted Aircraft Data Link. It features a size of 102*52*21.5mm, an output power of 25dBm, and an RF Channel of 1T2R. Its frequency band ranges from 800MHz to 2.4GHz, and it has a maximum data rate of 30Mbps. It has LAN interfaces of RJ45*2 and TTL*1, and encryption options of ZUC/SNOW3G/AES. It is a Drone MESH Video Link type and requires a power supply of DC12V. It has a transmission range of 15km (LOS).

Applications:

The ZKMANET2421UM drone data link product is a critical component in aerial robot data exchange connection. It provides a reliable and secure uncrewed aerial vehicle data linkage to enable the aerial robot to exchange data with the ground station. This data link product is designed for remotely piloted aircraft data link, and it operates on a frequency band of 800MHz/1.4GHz/2.4GHz. The RF channel used is 1T2R.

The drone data link product from ZKMANET supports three different types of encryption technologies: ZUC, SNOW3G, and AES. Users have the option to choose the encryption technology that best suits their needs. The power consumption of this drone data link product is less than 5w, making it an energy-efficient device.

The ZKMANET2421UM drone data link product is suitable for a wide range of applications and scenarios. It is particularly useful in the field of aerial photography, surveillance, and monitoring. This product can be used to transmit high-definition video and images captured by the drone back to the ground station in real-time.

Other applications of the ZKMANET2421UM drone data link product include search and rescue operations, agriculture, and infrastructure inspection. In search and rescue operations, the drone can be fitted with thermal imaging cameras to search for missing persons or animals. In agriculture, the drone can be used to monitor crop health and detect potential crop diseases. In infrastructure inspection, the drone can be used to inspect bridges, buildings, and other structures for signs of damage or wear and tear.

Customization:

ZKMANET is proud to offer product customization services for our UAV Data Relay and Control Link, also known as our Drone Communication and Data Transmission Link. Our Model Number ZKMANET2421UM is manufactured in Shenzhen and is CE certified. Our minimum order quantity is 1 unit at a price of 500USD/PC. Our packaging details include a carton and delivery time is estimated at 15 days. Payment terms are TT and our supply ability is 10000pcs/year.

The LAN interface includes RJ45*2 and TTL*1. Encryption options include ZUC, SNOW3G, and AES. Our product weight is 124g and has a transmission range of 15km (LOS). The working temperature range is -40°C to +65°C.

Trust ZKMANET to provide you with a reliable Remotely Piloted Aircraft Data Link that can be customized to your specific needs.

Support and Services:

Our Drone Data Link product comes with a comprehensive technical support and services package to ensure that our customers have a seamless experience using our product. Our technical support team is available to assist with any questions or issues regarding installation, configuration, and troubleshooting.

In addition, we offer product training and consultation services to help our customers optimize the use of our product and integrate it into their operations. Our team has extensive knowledge and expertise in drone technology, data transmission, and communication systems, and we are committed to providing the best possible support to our customers.

For more information on our technical support and services, please visit our website or contact our customer service team.

Packing and Shipping:

Product Packaging:

The Drone Data Link product is carefully packaged to ensure safe delivery. Each package includes:

One Drone Data Link device

Two antennas

One power adapter

One user manual

Shipping:

We offer free shipping for all Drone Data Link orders. Shipping times may vary depending on your location, but typically range from 5-10 business days. Once your order has been shipped, you will receive a tracking number via email so you can track your package.

FAQ:

Frequently Asked Questions about ZKMANET2421UM Drone Data Link:

Q: What is the range of the ZKMANET2421UM Drone Data Link?

A: The ZKMANET2421UM has a range of up to 10 kilometers.

Q: What type of certification does the ZKMANET2421UM Drone Data Link have?

A: The ZKMANET2421UM is CE certified, ensuring it meets European safety, health, and environmental protection standards.

Q: What is the minimum order quantity for the ZKMANET2421UM Drone Data Link?

A: The minimum order quantity for the ZKMANET2421UM is 1 unit.

Q: What is the price of the ZKMANET2421UM Drone Data Link?

A: The price of the ZKMANET2421UM is 500USD/PC.

Q: What is the delivery time for the ZKMANET2421UM Drone Data Link?

A: The delivery time for the ZKMANET2421UM is 15 days.

Q: What payment methods are accepted for the ZKMANET2421UM Drone Data Link?

A: We accept payment via TT.

Q: What is the supply ability of the ZKMANET2421UM Drone Data Link?

A: The ZKMANET2421UM has a supply ability of 10,000pcs/year.

Q: Where is the ZKMANET2421UM Drone Data Link manufactured?

A: The ZKMANET2421UM is manufactured in Shenzhen.

Q: What is the packaging for the ZKMANET2421UM Drone Data Link?

A: The ZKMANET2421UM is packaged in a carton.

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