

## Seamless Data Transfer with -100dBm 2.5MHz Receive Sensitivity Drone Communication and Data Transmission Link

Our Product Introduction

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### Basic Information

- Brand Name: ZKMANET
- Certification: CE
- Model Number: ZKMANET3451-H
- Minimum Order Quantity: 1
- Price: 1500USD/PC
- Packaging Details: Carton
- Delivery Time: 15days
- Payment Terms: TT
- Supply Ability: 10000pcs/year



### Product Specification

- RF Waveform: TDD-COFDM (2T2R)
- Channel Bandwidth: 2.5/5/10/20Mhz
- Transmission Distance: 10-49 Km
- Bandwidth: 1.4/2.5/5/10/20/40MHz
- Ttl Port: Support
- Interface: RF LAN DC Charger
- Movement Speed: >1000km/h
- Operating Temperature: -20°C To 60°C
- Highlight: **Seamless Drone Data Link,  
2.5MHz Drone Data Link,  
100dBm Drone Data Link**



### More Images



## Product Description

### Product Description:

The Drone Data Link product serves as a crucial component in enabling seamless Drone Communication and Data Transmission Link. This innovative technology facilitates the efficient exchange of information between drones, ground stations, and other connected devices, thereby enhancing the overall performance and reliability of unmanned aerial systems. Designed to operate effectively in a wide range of environments, the Drone Data Link product boasts an impressive Operating Temperature range of -20°C to 60°C. This ensures reliable functionality even in challenging weather conditions, making it an ideal solution for various applications requiring Autonomous Airborne Data Relay Systems. One of the key features of the Drone Data Link product is its versatile frequency capabilities. With standard Frequencies ranging from 1300 to 1500MHz and the option for customization between 70MHz to 6GHz, this system offers flexibility and adaptability to suit different operational requirements. Whether used for surveillance, mapping, or communication purposes, the Drone Data Link product can be tailored to meet specific frequency needs for optimal performance. Furthermore, the Drone Data Link product supports IFS (Intermediate Frequency Selection), allowing users to fine-tune and optimize signal processing for enhanced data transmission efficiency. This feature ensures that critical information is relayed accurately and swiftly, contributing to the seamless operation of Uncrewed Aerial Vehicle Data Linkage systems. When it comes to channel bandwidth, the Drone Data Link product offers multiple options including 2.5MHz, 5MHz, 10MHz, and 20MHz. This flexibility enables users to adjust the bandwidth settings according to the complexity of the data being transmitted, ensuring high-speed and reliable communication between drones and ground stations. In terms of interface options, the Drone Data Link product provides a comprehensive set of connectivity features including RF LAN and DC Charger interfaces. These interfaces allow for seamless integration with existing drone systems and power sources, simplifying the installation process and enhancing the overall usability of the product.

### Features:

Product Name: Drone Data Link  
IP Rating: IP65  
Bandwidth: 1.4/2.5/5/10/20/40MHz  
Channel Bandwidth: 2.5/5/10/20MHz  
Network Capability: 8 Nodes (Customizable)  
Movement Speed: >1000km/h

### Technical Parameters:

Network Capability	8 Nodes (Customizable)
Transmission Distance	10-49 Km
Operating Temperature	-20°C To 60°C
Frequencies	1300-1500MHz (70MHz-6GHz Customizable)
IFS	Support
FHSS	Support
TTL Port	Support
Receive Sensitivity	-100dBm@2.5MHz
Movement Speed	>1000km/h
Bandwidth	1.4/2.5/5/10/20/40MHz

### Applications:

ZKMANET3451-H Drone Data Link is a cutting-edge product designed for UAV Data Relay and Control Link applications. With its advanced features and robust design, this drone wireless data transfer solution is perfect for a wide range of scenarios and occasions. One key application for the ZKMANET3451-H Drone Data Link is in the field of aerial photography and videography. Professional drone operators can rely on this product to ensure seamless and reliable data communication between the unmanned aerial vehicle and the ground station. This is essential for capturing high-quality aerial footage for various purposes such as filmmaking, surveying, and mapping. Another important use case for the ZKMANET3451-H Drone Data Link is in the realm of precision agriculture. By enabling real-time data transfer between the drone and the control center, this product facilitates the implementation of precision farming techniques. Farmers can use drones equipped with this data link to monitor crop health, optimize irrigation, and enhance overall productivity. Furthermore, the ZKMANET3451-H Drone Data Link is ideal for search and rescue operations. In critical situations where every second counts, having a reliable unmanned aerial vehicle data communication system can make a significant difference. Search and rescue teams can leverage this product to quickly deploy drones for aerial reconnaissance and communication purposes. Whether it's for industrial inspections, environmental monitoring, or emergency response, the ZKMANET3451-H Drone Data Link offers a versatile and dependable solution for various industries and sectors. Its FHSS support, high movement speed, and excellent receive

sensitivity make it a top choice for demanding applications.  
Manufactured in China and certified with CE, the ZKMANET3451-H Drone Data Link is available for purchase with a minimum order quantity of 1 unit at a price of 1500USD per piece. The product comes in carton packaging and has a delivery time of 15 days. Payment terms include TT, and the supply ability is 10000 units per year. Operating temperature ranges from -20°C to 60°C, while IFS support ensures seamless integration with existing systems.

**ZKMANET Zhongke Lianxun (Shenzhen) Technology Co., Ltd**



+86 13266718951



Info@chinamanet.com



zkmanet.com

203-B161, Block B, Garden City Digital Building, No.1079 Nanhai Avenue, Yanshan Community, Merchants  
Street, Nanshan District, Shenzhen, China