

Customizable Drone Data Link with and IFS Support 1300-1500MHz 70MHz-6GHz Customizable 2.5/5/10/20Mhz Channel Bandwidth

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

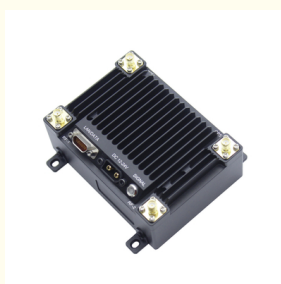


Product Specification

- Channel Bandwidth: 2.5/5/10/20Mhz
- Ttl Port: Support
- RF Waveform: TDD-COFDM (2T2R)
- Transmission Distance: 10-49 Km
- Ip Rating: IP65
- Network Capability: 8 Nodes (Customizable)
- IFS: Support
- Frequencies: 1300-1500MHz (70MHz-6GHz Customizable)
- Highlight: **IFS Support Drone Data Link, Customizable Drone Data Link, 1300-1500MHz Drone Data Link**



More Images



Product Description

Product Description:

The Drone Data Link is an essential component for enabling reliable and efficient communication and data transmission for aerial robot data exchange connections. This advanced technology serves as the primary link for transmitting data between drones and ground stations, ensuring seamless operation and control of remotely piloted aircraft.

Designed to meet the demands of various environments, the Drone Data Link boasts an impressive operating temperature range of -20°C to 60°C. This wide temperature tolerance ensures consistent performance even in challenging conditions, making it suitable for a wide range of applications.

One of the key features of the Drone Data Link is its FHSS (Frequency-Hopping Spread Spectrum) support. This technology enables secure and reliable communication by hopping between different frequencies, minimizing interference and enhancing data transmission efficiency. With FHSS support, users can count on stable and uninterrupted data links for their drone operations.

In addition to FHSS support, the Drone Data Link also offers high-speed data transmission capabilities to keep up with the fast-paced movement of drones. With a movement speed of over 1000km/h, this data link ensures that real-time data is transmitted swiftly and accurately, allowing for precise control and monitoring of drone activities.

Another noteworthy feature of the Drone Data Link is its support for TTL (Time To Live) port. The TTL port functionality allows for seamless integration with other devices and systems, enabling easy data exchange and communication between drones and external components. This flexibility enhances the versatility of the data link, making it a valuable tool for various drone applications.

Moreover, the Drone Data Link also supports IFS (Intelligent Frequency Selection), a feature that optimizes frequency allocation for improved signal quality and reliability. By intelligently selecting frequencies based on the operating environment, IFS helps mitigate interference and ensures smooth and uninterrupted data transmission, enhancing the overall performance of the data link.

In summary, the Drone Data Link is a cutting-edge solution for establishing a robust and efficient drone communication and data transmission link. With its wide operating temperature range, FHSS support, high movement speed capability, TTL port compatibility, and IFS technology, this data link offers a comprehensive set of features to meet the demanding requirements of aerial robot data exchange connections. Whether for commercial drone operations, surveillance missions, or research purposes, the Drone Data Link provides a reliable and secure connection for seamless control and monitoring of remotely piloted aircraft.

Features:

Product Name: Drone Data Link

RF Waveform: TDD-COFDM (2T2R)

Interface: RF LAN DC Charger

Movement Speed: >1000km/h

Operating Temperature: -20°C To 60°C

Transmission Distance: 10-49 Km

Technical Parameters:

Network Capability	8 Nodes (Customizable)
Fhss	Support
Interface	RF LAN DC Charger
Ttl Port	Support
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
Channel Bandwidth	2.5/5/10/20Mhz
IFS	Support
Movement Speed	>1000km/h
Operating Temperature	-20°C To 60°C
Frequencies	1300-1500MHz (70MHz-6GHz Customizable)

Applications:

ZKMANET Drone Data Link, model ZKMANET3451-H, is a cutting-edge UAV data relay and control link system designed for various applications in the drone industry. With its origins in China, this product boasts CE certification and offers a minimum order quantity of 1 unit at a price of 1500USD each. The product is packaged in cartons and has a delivery time of 15 days upon order placement, with payment terms being TT.

The ZKMANET Drone Data Link is ideal for a wide range of scenarios due to its versatile network capability of 8 nodes, which is customizable based on user requirements. Its high movement speed of over 1000km/h makes it suitable for demanding applications that require rapid data transmission. The channel bandwidth options of 2.5/5/10/20Mhz ensure flexibility in data transfer rates, catering to different needs.

Equipped with RF LAN DC charger interface, the ZKMANET Drone Data Link operates effectively in temperatures ranging from -20°C to 60°C, ensuring reliable performance in diverse environments. Its robust design and advanced features make it a top choice for

applications such as Remotely Piloted Aircraft Data Link, Autonomous Airborne Data Relay System, and various UAV data relay and control link operations.

In addition to its high-performance capabilities, the ZKMANET Drone Data Link offers a supply ability of 10000 units per year, making it readily available for large-scale deployments. Whether it's for commercial drone operations, military surveillance missions, or research and development projects, this product is a dependable solution for establishing secure and efficient data links in the sky.

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