Customizable 8 Nodes Network Capability Drone Data Link Movement Speed 1000km/h Support IFS RF Waveform TDD-COFDM 2T2R

Our Product Introduction

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

- Bandwidth: 1.4/2.5/5/10/20/40MHz
- Movement Speed: >1000km/h
- Ttl Port: Support
- Transmission Distance: 10-49 Km
- Network Capability: 8 Nodes (Customizable)
- Fhss: Support
- Frequencies: 1300-1500MHz (70MHz-6GHz Customizable)
- IFS: Support
- Highlight: **TDD-COFDM Drone Data Link**, **1000km/h Drone Data Link**, **2T2R Drone Data Link**

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Product Description

Product Description:

The Drone Data Link product is an essential component of any Autonomous Airborne Data Relay System, providing reliable and efficient communication between drones and ground stations. With its advanced features and robust design, this product ensures seamless data transmission over long distances.
One of the key features of the Drone Data Link is its FHSS support, which enables secure and interference-free communication. This technology allows for reliable data transmission even in crowded RF environments, ensuring smooth operation in various scenarios.
The RF Waveform used in this product is TDD-COFDM (2T2R), offering high spectral efficiency and improved resistance to multipath fading. This ensures stable and high-quality data transmission, even in challenging RF conditions.
For flexible communication options, the Drone Data Link supports various Channel Bandwidths, including 2.5/5/10/20MHz. This versatility allows users to adjust the bandwidth according to their specific requirements, optimizing performance based on the application needs.
The Interface of the Drone Data Link is designed for convenience and efficiency, featuring RF LAN DC Charger connectivity. This interface enables seamless integration with existing systems and power sources, making it easy to set up and operate the data link.
With a Transmission Distance of 10-49 Km, the Drone Data Link ensures reliable long-range communication between drones and ground stations. This extended reach allows for expanded operational capabilities and data collection from remote locations, making it ideal for various applications.
In summary, the Drone Data Link is a versatile and reliable solution for establishing communication links in an Autonomous Airborne Data Relay System. With its FHSS support, TDD-COFDM RF Waveform, flexible Channel Bandwidth options, RF LAN DC Charger Interface, and long Transmission Distance, this product delivers high-performance data transmission capabilities for a wide range of drone applications.

Features:

Product Name: Drone Data Link
IFS: Support
Transmission Distance: 10-49 Km
Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)
Operating Temperature: -20°C To 60°C
RF Waveform: TDD-COFDM (2T2R)

Technical Parameters:

Frequencies	1300-1500MHz (70MHz-6GHz Customizable)
Network Capability	8 Nodes (Customizable)
Transmission Distance	10-49 Km
Interface	RF LAN DC Charger
Channel Bandwidth	2.5/5/10/20Mhz
Ttl Port	Support
RF Waveform	TDD-COFDM (2T2R)
Fhss	Support
Modulation Type	BPSK/QPSK/16QAM/64QAM (adaptive)
Ip Rating	IP65

Applications:

ZKMANET Unpiloted Flying Machine Data Link (Model: ZKMANET3451-H) is a cutting-edge product originating from China and certified with CE. It is designed to provide a reliable Drone Communication and Data Transmission Link for various applications.
With a minimum order quantity of 1 and priced at 1500USD/PC, the ZKMANET Data Link comes packaged in cartons and can be delivered within 15 days upon order confirmation. Payment terms are TT, and the supply ability is 10000pcs/year.
Equipped with TDD-COFDM (2T2R) RF Waveform technology, the ZKMANET Data Link offers exceptional performance with a receive sensitivity of -100dBm@2.5MHz. The modulation type includes BPSK, QPSK, 16QAM, and 64QAM (adaptive), ensuring versatile data transmission capabilities.
The interface of the ZKMANET Data Link features RF LAN DC Charger, making it convenient to connect with various devices and power sources. Its network capability of 8 Nodes (Customizable) allows for flexible and scalable deployment options.
Scenarios where the ZKMANET Unmanned Aerial Vehicle Data Communication System can be applied include aerial surveillance, environmental monitoring, disaster response, precision agriculture, and infrastructure inspection. Its robust design and advanced features make it ideal for professional drone operations that require secure and efficient data links.

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