

RF LAN DC Charger Drone Data Link 1300-1500MHz 70MHz-6GHz Customizable BPSK/QPSK/16QAM/64QAM Modulation Type

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

- Ttl Port: Support
- Frequencies: 1300-1500MHz (70MHz-6GHz Customizable)
- Interface: RF LAN DC Charger
- Operating Temperature: -20°C To 60°C
- Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)
- Bandwidth: 1.4/2.5/5/10/20/40MHz
- RF Waveform: TDD-COFDM (2T2R)
- IFS: Support
- Highlight: **6GHz Drone Data Link,
Customizable Drone Data Link,
1300-1500MHz Drone Data Link**



More Images



Product Description

Product Description:

The Drone Data Link is an advanced and versatile solution for seamless communication and data transmission for drones. With a wide range of bandwidth options including 1.4/2.5/5/10/20/40MHz, this product offers flexibility and efficiency in transferring data wirelessly. Utilizing various modulation types such as BPSK, QPSK, 16QAM, and 64QAM (adaptive), the Drone Data Link ensures reliable and high-speed data transfer for drone operations. The adaptive modulation allows for optimal performance based on the signal strength and noise levels, making it suitable for different environments and conditions.

Designed to support a network capability of up to 8 nodes, the Drone Data Link can be customized to meet specific requirements and scale as needed. This scalability makes it ideal for applications where multiple drones need to communicate and share data simultaneously.

Equipped with RF Waveform TDD-COFDM (2T2R), the Drone Data Link enables efficient transmission and reception of data with its Time Division Duplex (TDD) and Coded Orthogonal Frequency Division Multiplexing (COFDM) technology. The 2T2R configuration enhances signal reliability and coverage, ensuring robust connectivity for drone operations.

With a movement speed capability of over 1000km/h, the Drone Data Link can keep up with fast-moving drones and maintain a stable connection for real-time data transmission. Whether capturing aerial footage, conducting surveillance missions, or performing industrial inspections, this product provides a reliable wireless data transfer solution for various drone applications.

Features:

Product Name: Drone Data Link

Modulation Type: BPSK/QPSK/16QAM/64QAM (adaptive)

Network Capability: 8 Nodes (Customizable)

Ip Rating: IP65

Bandwidth: 1.4/2.5/5/10/20/40MHz

Channel Bandwidth: 2.5/5/10/20MHz

Technical Parameters:

Receive Sensitivity	-100dBm@2.5MHz
Movement Speed	>1000km/h
Fhss	Support
RF Waveform	TDD-COFDM (2T2R)
Frequencies	1300-1500MHz (70MHz-6GHz Customizable)
Interface	RF LAN DC Charger
Ttl Port	Support
Channel Bandwidth	2.5/5/10/20MHz
Bandwidth	1.4/2.5/5/10/20/40MHz
Operating Temperature	-20°C To 60°C

Applications:

ZKMANET3451-H is a cutting-edge drone data link system designed for seamless and reliable communication in Unmanned Aerial Vehicle (UAV) applications. With its advanced RF Waveform technology, the drone data link ensures high-quality data transmission using TDD-COFDM (2T2R) modulation, making it ideal for various scenarios requiring Unpiloted Flying Machine Data Link capabilities. Originating from China, ZKMANET3451-H is certified with CE, guaranteeing its quality and compliance with international standards. Its minimum order quantity of 1 unit at a competitive price of 1500USD/PC makes it accessible for both individual users and large enterprises alike.

The product's packaging details in a carton ensure safe delivery, with a quick turnaround time of 15 days thanks to the efficient supply chain. Payment terms via TT offer convenience and security for transactions, while the product's supply ability of 10000pcs/year ensures availability for high-demand scenarios.

With a network capability of 8 nodes, which is customizable based on specific requirements, the drone data link provides flexibility for different Aerial Robot Data Exchange Connection setups. Its FHSS support and high receive sensitivity of -100dBm@2.5MHz further enhance the system's performance and reliability in challenging environments.

The operating temperature range of -20°C to 60°C makes ZKMANET3451-H suitable for a wide range of applications, from monitoring and surveillance to search and rescue missions. Whether used in industrial inspections, agricultural surveys, or emergency response operations, this drone data link system excels in providing secure and efficient data communication for unmanned aerial vehicles.

